


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>						
APPLICATION FOR PERMIT TO DRILL							1. WELL NAME and NUMBER Wellington 19D-2002						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>							3. FIELD OR WILDCAT WILDCAT						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO							5. UNIT or COMMUNITIZATION AGREEMENT NAME						
6. NAME OF OPERATOR WHITING OIL & GAS CORPORATION							7. OPERATOR PHONE 303 390-4095						
8. ADDRESS OF OPERATOR 1700 Broadway, Suite 2300, Denver, CO, 80290							9. OPERATOR E-MAIL scottw@whiting.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-49795			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee')							14. SURFACE OWNER PHONE (if box 12 = 'fee')						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')							16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>				19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>						
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		703 FNL 615 FWL		NWNW		19		15.0 S		11.0 E		S	
Top of Uppermost Producing Zone		703 FNL 615 FWL		NWNW		19		15.0 S		11.0 E		S	
At Total Depth		1226 FNL 660 FEL		NENE		20		15.0 S		11.0 E		S	
21. COUNTY CARBON			22. DISTANCE TO NEAREST LEASE LINE (Feet) 615				23. NUMBER OF ACRES IN DRILLING UNIT 40						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 4090				26. PROPOSED DEPTH MD: 14902 TVD: 6169						
27. ELEVATION - GROUND LEVEL 5464			28. BOND NUMBER RLB0004585				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Municipal Water from Wellington						
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
SURF	17.5	13.375	0 - 854	54.5	J-55 ST&C	9.0	Rockies Lite		360	2.94	11.5		
							Premium Plus		200	1.2	15.6		
I1	12.25	9.625	0 - 4579	40.0	L-80 LT&C	9.4	Halliburton Light , Type Unknown		240	2.16	12.2		
							Halliburton Premium , Type Unknown		210	1.29	14.2		
							Halliburton Light , Type Unknown		690	2.15	12.2		
PROD	8.75	7	0 - 5965	29.0	L-80 LT&C	9.4	Halliburton Light , Type Unknown		175	2.0	12.5		
L1	6	4.5	5146 - 14902	11.6	P-110 LT&C	9.4	Halliburton Premium , Type Unknown		770	1.25	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Don Hamilton				TITLE Permitting Agent (Star Point Enterprises, Inc.)				PHONE 435 719-2018					
SIGNATURE				DATE 01/10/2014				EMAIL starpoint@etv.net					
API NUMBER ASSIGNED 43007503670000				APPROVAL  Permit Manager									

Whiting Oil & Gas Corporation
Wellington 19D-2002 Drill Plan
Lateral – Moenkopi Well
April 22, 2013

Summary:

The Wellington 19D-2002 well will be a lateral Moenkopi well. The pilot hole will be drilled 100' into the White Rim Sand Stone then plugged back prior to setting a whipstock and building a curve into the TXS, 7" casing will be run and cemented. A lateral will then be drilled in the TXS prior to a liner being cemented in place for the completion.

Surface Location: 19-T15S-R11E
 703' FNL 615' FWL
 Carbon County, Utah

Bottom Hole Location: 20-T15S-R11E
 1226' FNL 660' FEL

DRILLING PROGRAM**1. ESTIMATED TOPS OF GEOLOGICAL MARKERS:**

Ground Level 5,462' Estimated KB 5,479' (15')

<u>Formation</u>	<u>TVD</u>	<u>Lithology</u>	<u>Hazard</u>
Mancos	Surface	SH-SS	
Ferron	312	SS-COAL-SH	
Dakota	754	SS-SI-SH	
Morrison	1,458.00	SI-SH-SS	
Summerville	1,989.00	SS-SH	
Curtis	2,294.00	SS	
Entrada	2,477.00	SS-SI	
Carmel	2,997.00	SH-SS	
Navajo	3,602.00	SS	Water, CO2
Kayenta	3,925.00	SS	
Wingate	4,099.00	SS	Water, CO2
Chinle	4,479.00	SS-SH	
Moenkopi	4,782.00	SS-SH-LS	
Torrey A	5,251.00	SS-SH	
Torrey B	5,368.00	SS-SH	
Sinbad	5,426.00	LS-DOL	
Black Dragon	5,507.00	DOL-SS-SH	Gas
TXS Top	5,588.00	LS-DOL	
TXS Base	5,677.00		
Kaibab	5,898.00		
White Rim SS	6,069.00	SS	

2. PRESSURE CONTROL EQUIPMENT

A. Type: 13-5/8" 5,000 psi double gate hydraulic BOP with 13-5/8" 5,000 psi annular preventer with 5,000 psi Casinghead and 5,000 psi Tubinghead. The BOP will be installed in this well after the 13-3/8" surface casing string has been set and cemented in place.

B. Testing Procedure:

The annular preventer will be pressure tested to 50% of stack rated working pressure for ten (10) minutes or until provisions of test are met, whichever is longer. The BOP, choke manifold, and related equipment will be pressure tested to approved BOP stack working pressure (if isolated from surface casing by a test plug) or to 70% of surface casing internal yield strength (if BOP is not isolated by a test plug). Pressure will be maintained for ten (10) minutes or until the requirements of the test are met, whichever is longer. At a minimum, the Annular and Blow-Out Preventer pressure tests will be performed:

1. When the BOPE is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

Annular will be function tested weekly, and pipe & blind rams activated each trip, but not more than once per day. All BOP drills & tests will be recorded in IADC driller's log.

C. Choke Manifold Equipment:

All choke lines will be straight lines whenever possible at turns, tee blocks will be used or will be targeted with running tees, and will be anchored to prevent whip and vibration.

D. Accumulator:

Accumulator will have sufficient capacity to open hydraulically-controlled choke line valve (if so equipped), close all rams plus annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double accumulator capacity and the fluid level will be maintained at manufacturer's recommendations. Accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack.

E. Miscellaneous Information:

Choke manifold and BOP extension rods with hand wheels will be located outside rig sub-structure. Hydraulic BOP closing unit will be located at least twenty-five (25) feet from the wellhead but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold with the discharge point of the flare line to a separate pit located at least 125 feet away from the wellbore and any existing production facilities.

A volume monitoring system with alarms will be used to monitor pit gains/losses along with visual backup.

3. PROPOSED CASING PROGRAM**A. Casing Program: All New**

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Coupling OD	Burst (psi)	Collapse (psi)	Tension (Body/Joint) (klbs)	Depth Set (md)
17-1/2"	13-3/8"	54.50	J-55	ST&C	14.375"	2,730	1,130	853/514	0 – 854'
12-1/4"	9-5/8"	40	L-80	LT&C	10.625"	5,750	3,090	916/893	0 – 4,579'
8-3/4"	7"	29	L-80	LT&C	7.656"	8,160	7,020	676/587	0 – 5,965'
6"	4-1/2"	11.6	P-110	LT&C	4.917"	10,690	7,580	367/279	5,146' – 14,902'

13-3/8" surface casing will have centralizers as follows:

1. Install a bowspring centralizer at the first and second collars above the guide shoe.
2. Install one bowspring centralizer every third joint above the second collar.
3. Centralizer and basket placed 120' below the surface (or at the bottom of the third joint below the surface).
4. Centralizer and basket placed 80' below the surface (or at the bottom of the second joint below the surface).

9-5/8" intermediate casing will have centralizers as follows:

1. Install a bowspring centralizer at the first and second collars above the guide shoe.
2. After that centralize every third joint to surface with single bow spring centralizers

7" production casing will have centralizers as follows:

1. Install a bowspring centralizer at the first and second collars above the guide shoe.
2. After that centralize every third joint to surface with single bow spring centralizers.

4-1/2" production liner will have centralizers as follows:

1. Install a rigid centralizer every other joint to liner top.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:**Surface Casing**

Interval	Size	Wt	Grade	Burst (psi) ^a /SF	Collapse (psi) ^b /SF	Tension (klb) ^c /SF
0' – 854'	13-3/8"	48 lb/ft	H-40	1,730/3.00	770/3.64	322/7.86

- a. based on frac gradient at shoe of 14.0 ppg
- b. based on full evacuation with 9.0 ppg fluid on backside
- c. based on casing string weight in 9.0 ppg mud
String Weight in 9.0 ppg mud ≈ 35 klbs

Intermediate Casing 1

Interval	Size	Wt	Grade	Burst (psi) ^a /SF	Collapse (psi) ^b /SF	Tension (klb) ^c /SF
0' – 4,579'	9-5/8"	40.0 lb/ft	L-80	3,950/1.28	2,570/2.26	486/3.08

- a. based on frac gradient at shoe of 14.0 ppg
- b. based on full evacuation with 9.0 ppg pore pressure on backside
- c. based on casing string weight in 9.0 ppg mud
String Weight in 9.0 ppg mud ≈ 157 klbs.

Intermediate Casing 2

Interval	Size	Wt	Grade	Burst (psi) ^a /SF	Collapse (psi) ^b /SF	Tension (klb) ^c /SF
0' – 5,965'	7"	29.0 lb/ft	L-80	8,160/2.02	7,020/4.75	676/4.53

- a. based on frac gradient at shoe of 14.0 ppg

- b. based on full evacuation with 9.0 ppg pore pressure on backside
 c. based on casing string weight in 9.0 ppg mud
 String Weight in 9.0 ppg mud \approx 149 klbs.

Production Casing

Interval	Size	Wt	Grade	Burst (psi) ^a /SF	Collapse (psi) ^b /SF	Tension (klb) ^c /SF
5,146-14,902'	4-1/2"	11.6 lb/ft	P-110	10,5690/1.39	7,580/5.12	279/2.86

- a. based on 7,000 psi frac pressure.
 b. based on full evacuation with 9.4 ppg pore pressure on backside
 c. based on casing string weight in 9.4 ppg mud
 String Weight in 9.4 ppg mud \approx 113 klbs.

PROPOSED CEMENTING PROGRAM**Surface Casing – 13-3/8" Casing:** TOC Surface, (100% Excess)

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
13-3/8"	Lead	731'	Lead Cement Rockies LT; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 0.25 lbm/sk Kwik Seal (Lost Circulation Additive)	360	100	11.5	2.94
13-3/8"	Tail	123'	Tail Cement Premium Cement; - 94 lbm/sk Premium Cement (Cement) - 2% Calcium Chloride (Accelerator) - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)	200	100	15.6	1.20

A cement top job is required if cement fallback is greater than 10' below ground level.

Intermediate Casing – 9-5/8" Casing: TOC Surface, (Stage Tool at 1,579' – Stage_1 - 50% Excess, Stage_2 – 50% Excess)

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
9-5/8"	Stage_1 – Lead	1,079'	First Stage Lead Cement ECONOCHEM; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 1 % HR-5 (Retarder) - 0.2 % Super CBL (Expander)	240	50	12.2	2.16
9-5/8"	Stage_1 – Tail	500'	First Stage Tail Cement EXTENDACHEM; - 0.5 % HR-5 (Retarder) - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 3 lbm/sk Gilonite (Lost Circulation Additive)	210	50	14.2	1.29
9-5/8"	Stage_2 – Lead	3,000'	Second Stage Primary Cement ECONOCHEM; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 0.5 % HR-5 (Retarder) - 0.2 % Super CBL (Expander)	690	50	12.2	2.15

Cement volumes for the 9-5/8" Production Casing will be calculated to provide a top of cement to Surface.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Production Casing – 7" Casing: TOC 4,477, (35% Excess)

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
7"	Lead	1588'	Lead Cement ECONOCEM; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 1 % HR-5 (Retarder)	175	35	12.5	2.00

Cement volumes for the 7" Production Casing will be calculated to provide a top of cement to 4,477'.

Production Liner – 4-1/2" Casing: TOC 5146, (0% Excess)

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	9756'	Lead Cement HALCEM; - 0.8% HR-800 (retarder)	770	0	14.3	1.25

Cement volumes for the 4-1/2" Production Liner will be calculated to provide cement to Liner top.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

4. MUD PROGRAM

<u>Depth (MD)</u>	<u>Mud System</u>	<u>MW</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>
13-3/8": 0 - 854'	Water, Gel/Lime Sweeps	8.4 – 9.0	2 - 20	2 - 18	NC
9-5/8": 0' – 4,579'	3% KCL Water/Polymer	8.4 – 9.4	10 - 28	6 - 18	6 - 10
7": 0' – 5,965'	3% KCL Water/Polymer	8.4 – 9.4	10 - 28	6 - 18	6 - 10
4-1/2": 5,146' – 14,902'	3% KCL Water/Polymer	8.4 – 9.4	10 - 28	6 - 18	6 - 10

5. EVALUATION PROGRAM

Cores: 120' of core planned from 5,575' to 5,695'.

DST: None planned

Surveys: Deviation surveys every 500' to TD in the surface, intermediate and production holes.

Mud Logger:

Samples: 30' samples surface casing to TD

Open Hole Logging Program: Triple Combo 6,169' (Pilot Hole to 4,579') GR to Surface

6. ABNORMAL CONDITIONS

No abnormal pressures are anticipated. No H₂S gas is anticipated.

Anticipated bottom hole pressure is 2,671 psi (0.433 psi/ft) at 6,169' TVD in the Humbug and the maximum anticipated surface pressure equals approximately 1,314 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

7. ANTICIPATED STARTING DATES

A. Anticipated Starting Dates:

Dirt work startup: May 1, 2014

Spud: May 15, 2014

Duration: 25 – 35 days

T15S, R11E, S.L.B.&M.**WHITING OIL & GAS CORPORATION**1981 County
Aluminum Cap

S89°21'32"W - 2649.15' (Meas.)

S89°31'04"W - 2660.07' (Meas.)

1982 County
Aluminum Cap1981 County
Aluminum Cap(To Bottom of Hole)
S87°44'30"E 9381.36'

615'

703'

Top of
Hole

Lot 1

Lot 2

Lot 3

Lot 4

**WELL LOCATION:
WELLINGTON 19D-2002**

ELEV. UNGRADED GROUND = 5464.4'

19

N00°34'37"W - 5328.35' (Meas.)

N00°21'16"W - 5337.99' (Meas.)

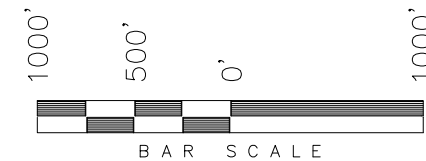
N89°32'33"E - 5288.48' (Meas.)

County
Aluminum Cap1981 County
Aluminum Cap

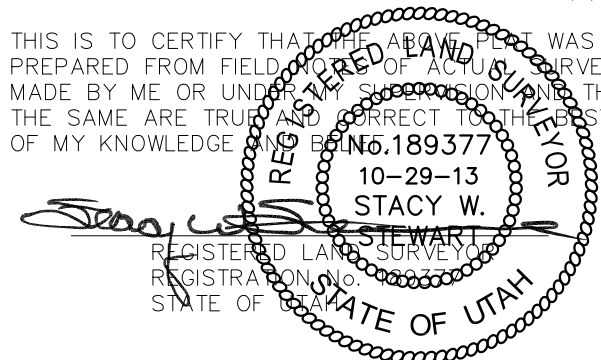
= SECTION CORNERS LOCATED

BASIS OF ELEV: Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 39°29'14.57" LONG. 110°37'25.07"
(Tristate Aluminum Cap) Elev. 5629.77'

NAD 83 (SURFACE LOCATION)	
LATITUDE =	39°30'40.68" (39.511299°)
LONGITUDE =	110°44'16.13" (110.737815°)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	39°30'40.80" (39.511333°)
LONGITUDE =	110°44'13.57" (110.737103°)

WELL LOCATION, WELLINGTON 19D-2002,
LOCATED AS SHOWN IN THE NW 1/4 NW
1/4 (LOT 1) OF SECTION 19, T15S, R11E,
S.L.B.&M. CARBON COUNTY, UTAH.**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

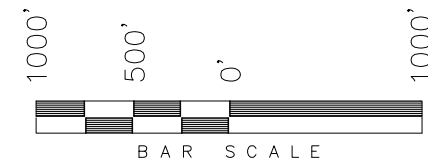
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.**TRI STATE LAND SURVEYING & CONSULTING**180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 08-24-13	SURVEYED BY: S.V.	SHEET 1
DATE DRAWN: 09-12-13	DRAWN BY: L.C.S.	
REVISED: L.C.S. 10-29-13	SCALE: 1" = 1000'	

RECEIVED: January 10, 2014

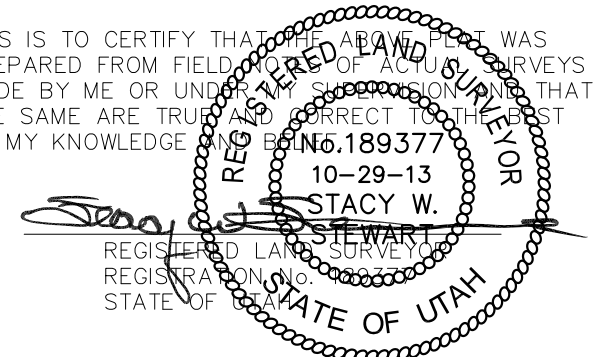
T15S, R11E, S.L.B.&M.**WHITING OIL & GAS CORPORATION**

TARGET BOTTOM HOLE, WELLINGTON
19D-2002, LOCATED AS SHOWN IN THE
NE 1/4 NE 1/4 OF SECTION 20,
T15S, R11E, S.L.B.&M. CARBON COUNTY,
UTAH.

**NOTES:**

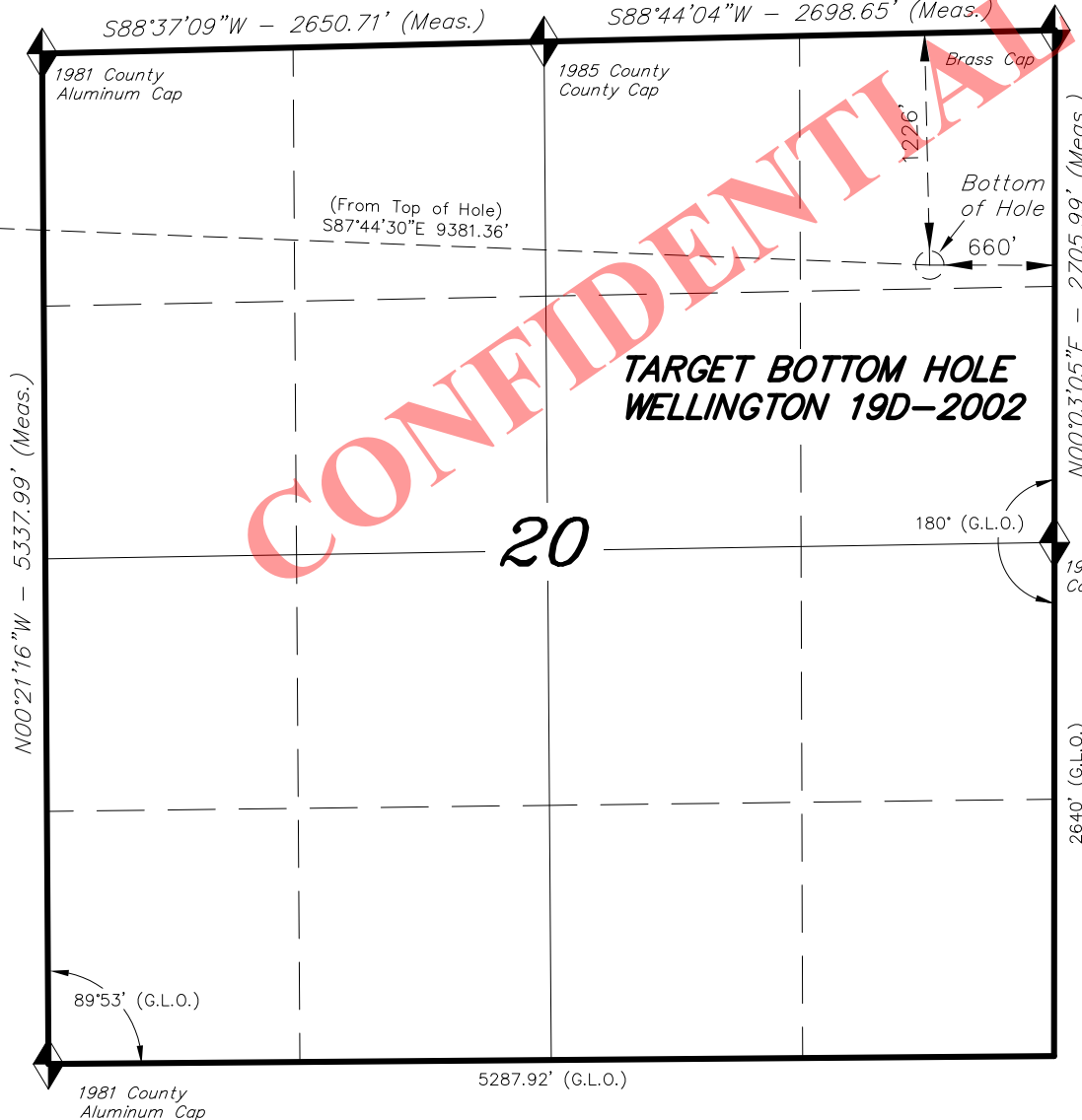
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
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**TRI STATE LAND SURVEYING & CONSULTING**

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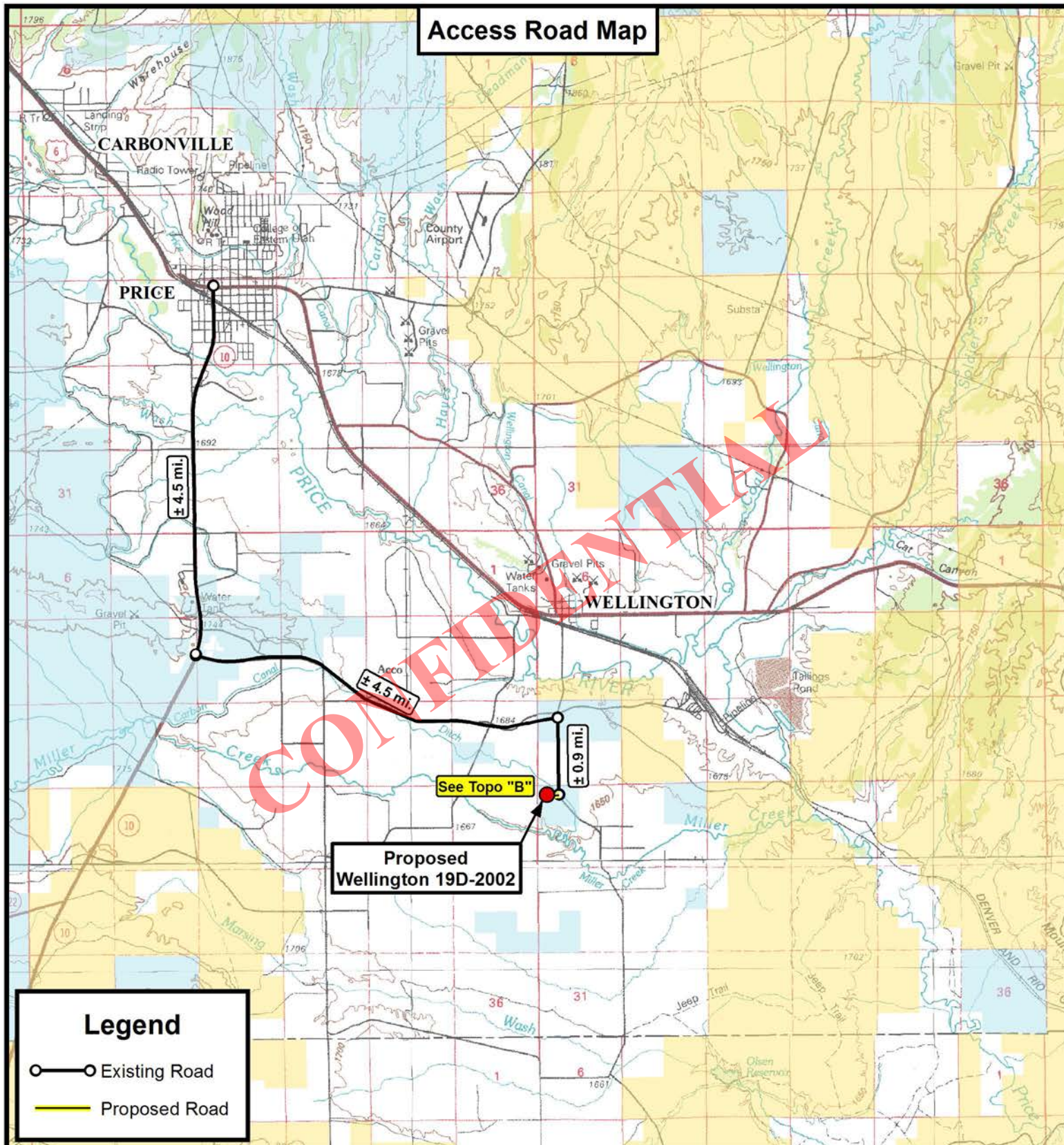
DATE SURVEYED: 08-24-13	SURVEYED BY: S.V.	SHEET 2
DATE DRAWN: 09-12-13	DRAWN BY: L.C.S.	
REVISED: L.C.S. 10-29-13	SCALE: 1" = 1000'	



NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE =	39°30'36.22" (39.510060°)
LONGITUDE =	110°42'16.61" (110.704613°)
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE =	39°30'36.34" (39.510094°)
LONGITUDE =	110°42'14.05" (110.703901°)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 39°29'14.57" LONG. 110°37'25.07"
(Tristate Aluminum Cap) Elev. 5629.77'



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



WHITING OIL & GAS CORP.

Proposed Wellington 19D-2002
Sec. 19, T15S, R11E, S.L.B.&M.
Carbon County, UT.

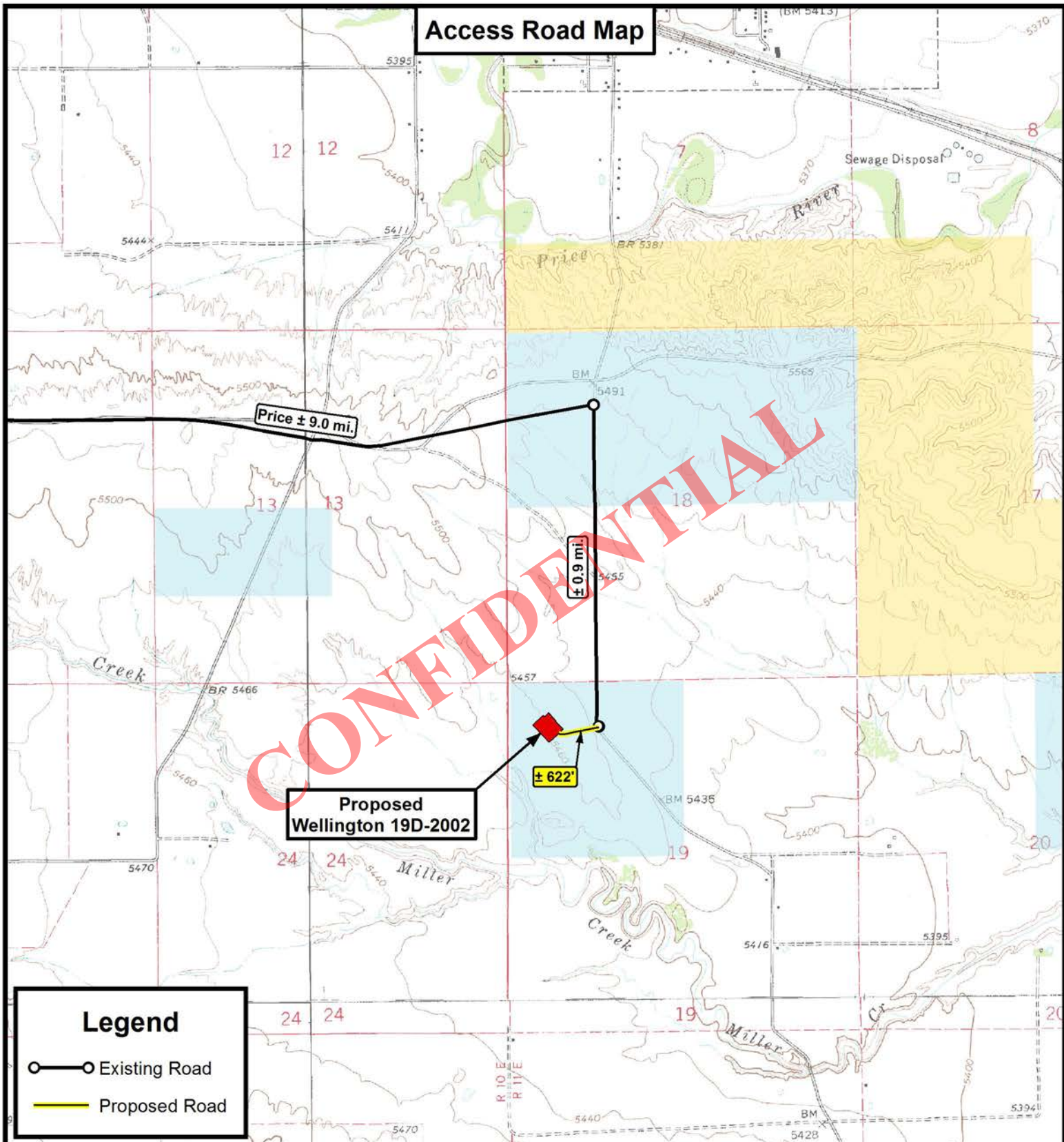
DRAWN BY:	D.C.R.	REVISED:	02-10-14 D.C.R.
DATE:	01-15-14		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



Legend

- Existing Road
- Proposed Road

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**WHITING OIL & GAS CORP.**

Proposed Wellington 19D-2002
Sec. 19, T15S, R11E, S.L.B.&M.
Carbon County, UT.




DRAWN BY:	D.C.R.	REVISED:	02-10-14 D.C.R.
DATE:	01-15-14		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

B

Exhibit "B" Map**Proposed
Wellington 19D-2002****CONFIDENTIAL****Legend**

-  1 Mile Radius
-  Proposed Location
-  Other Location

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**Proposed Wellington 19D-2002
Sec. 19, T15S, R11E, S.L.B.&M.
Carbon County, UT.**

DRAWN BY:	D.C.R.	REVISED:	02-10-14 D.C.R.
DATE:	09-16-13		
SCALE:	1" = 2,000'		

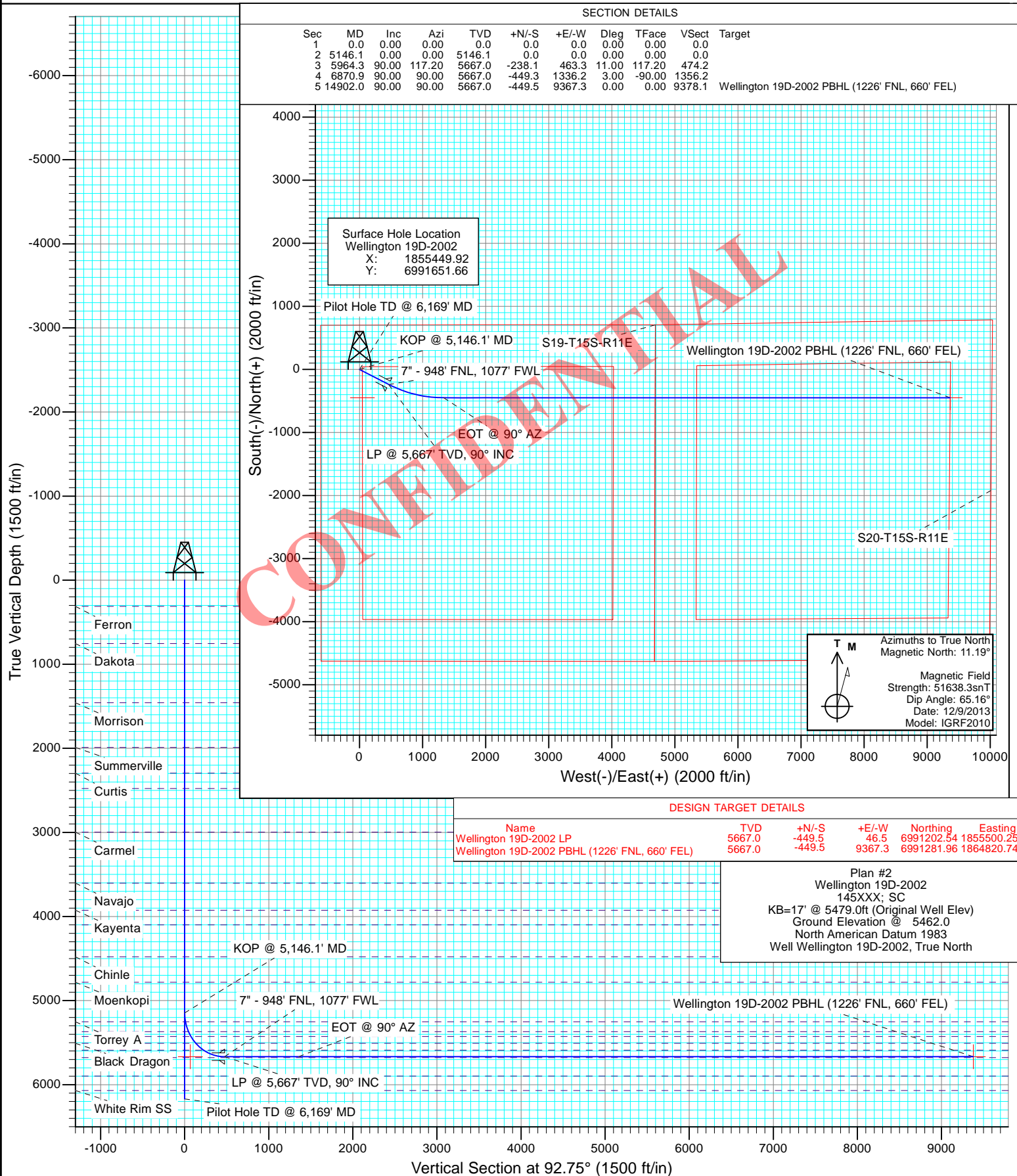
TOPOGRAPHIC MAP

SHEET

C



Project: Carbon County, UT
 Site: S19-T15S-R11E
 Well: Wellington 19D-2002
 Wellbore: Hz
 Design: Plan #2



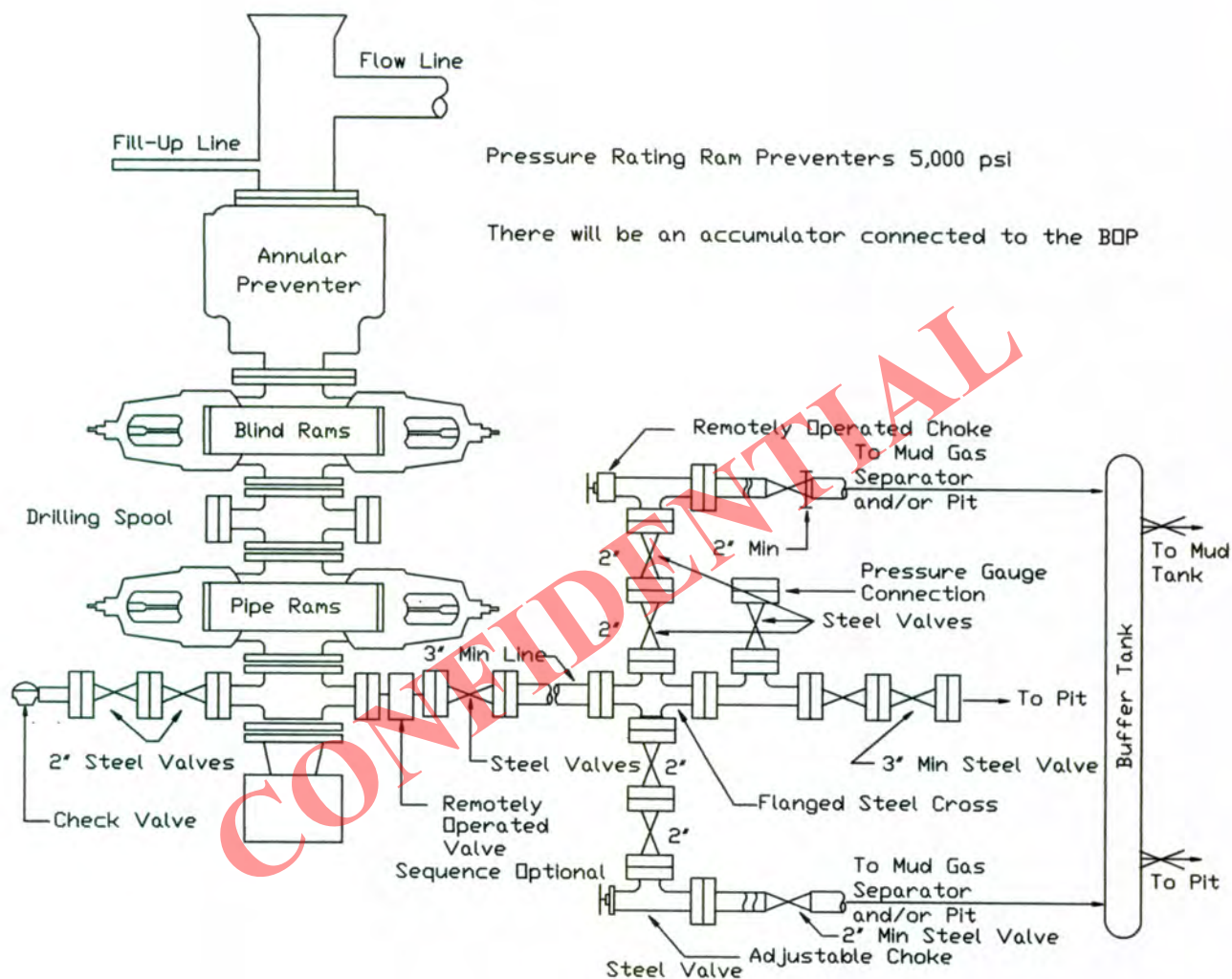
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec. (ft)	DLeg (°/100ft)
0	0	0	0	0	0	0	0
100	0	0	100	0	0	0	0
200	0	0	200	0	0	0	0
300	0	0	300	0	0	0	0
400	0	0	400	0	0	0	0
500	0	0	500	0	0	0	0
600	0	0	600	0	0	0	0
700	0	0	700	0	0	0	0
800	0	0	800	0	0	0	0
900	0	0	900	0	0	0	0
1000	0	0	1000	0	0	0	0
1100	0	0	1100	0	0	0	0
1200	0	0	1200	0	0	0	0
1300	0	0	1300	0	0	0	0
1400	0	0	1400	0	0	0	0
1500	0	0	1500	0	0	0	0
1600	0	0	1600	0	0	0	0
1700	0	0	1700	0	0	0	0
1800	0	0	1800	0	0	0	0
1900	0	0	1900	0	0	0	0
2000	0	0	2000	0	0	0	0
2100	0	0	2100	0	0	0	0
2200	0	0	2200	0	0	0	0
2300	0	0	2300	0	0	0	0
2400	0	0	2400	0	0	0	0
2500	0	0	2500	0	0	0	0
2600	0	0	2600	0	0	0	0
2700	0	0	2700	0	0	0	0
2800	0	0	2800	0	0	0	0
2900	0	0	2900	0	0	0	0
3000	0	0	3000	0	0	0	0
3100	0	0	3100	0	0	0	0
3200	0	0	3200	0	0	0	0
3300	0	0	3300	0	0	0	0
3400	0	0	3400	0	0	0	0
3500	0	0	3500	0	0	0	0
3600	0	0	3600	0	0	0	0
3700	0	0	3700	0	0	0	0
3800	0	0	3800	0	0	0	0
3900	0	0	3900	0	0	0	0
4000	0	0	4000	0	0	0	0
4100	0	0	4100	0	0	0	0
4200	0	0	4200	0	0	0	0
4300	0	0	4300	0	0	0	0
4400	0	0	4400	0	0	0	0
4500	0	0	4500	0	0	0	0
4600	0	0	4600	0	0	0	0
4700	0	0	4700	0	0	0	0
4800	0	0	4800	0	0	0	0
4900	0	0	4900	0	0	0	0
5000	0	0	5000	0	0	0	0

5100	0	0	5100	0	0	0	0
5146.1	0	0	5146.1	0	0	0	0
5150	0.43	117.2	5150	0	0	0	11
5200	5.93	117.2	5199.9	-1.3	2.5	2.5	11
5250	11.43	117.2	5249.3	-4.7	9.2	9.4	11
5300	16.93	117.2	5297.8	-10.3	20.1	20.5	11
5350	22.43	117.2	5344.8	-18	35	35.9	11
5400	27.93	117.2	5390.1	-27.7	54	55.2	11
5450	33.43	117.2	5433	-39.4	76.6	78.4	11
5500	38.93	117.2	5473.4	-52.9	102.9	105.3	11
5550	44.43	117.2	5510.7	-68.1	132.4	135.6	11
5600	49.93	117.2	5544.7	-84.8	165	168.9	11
5650	55.43	117.2	5575	-103	200.4	205.1	11
5700	60.93	117.2	5601.4	-122.4	238.2	243.8	11
5750	66.43	117.2	5623.5	-142.9	278	284.5	11
5800	71.93	117.2	5641.3	-164.2	319.6	327.1	11
5850	77.43	117.2	5654.5	-186.3	362.4	371	11
5900	82.93	117.2	5663	-208.8	406.2	415.8	11
5950	88.43	117.2	5666.8	-231.6	450.6	461.2	11
5964.3	90	117.2	5667	-238.1	463.3	474.2	11
6000	90	116.13	5667	-254.1	495.2	506.8	3
6100	90	113.13	5667	-295.8	586.1	599.6	3
6200	90	110.13	5667	-332.6	679	694.2	3
6300	90	107.13	5667	-364.6	773.8	790.4	3
6400	90	104.13	5667	-391.5	870.1	887.8	3
6500	90	101.13	5667	-413.4	967.6	986.3	3
6600	90	98.13	5667	-430.1	1066.2	1085.6	3
6700	90	95.13	5667	-441.6	1165.5	1185.4	3
6800	90	92.13	5667	-448	1265.3	1285.4	3
6870.9	90	90	5667	-449.3	1336.2	1356.2	3
6900	90	90	5667	-449.3	1365.3	1385.3	0
7000	90	90	5667	-449.3	1465.3	1485.2	0
7100	90	90	5667	-449.3	1565.3	1585.1	0
7200	90	90	5667	-449.3	1665.3	1684.9	0
7300	90	90	5667	-449.3	1765.3	1784.8	0
7400	90	90	5667	-449.3	1865.3	1884.7	0
7500	90	90	5667	-449.3	1965.3	1984.6	0
7600	90	90	5667	-449.3	2065.3	2084.5	0
7700	90	90	5667	-449.3	2165.3	2184.4	0
7800	90	90	5667	-449.3	2265.3	2284.2	0
7900	90	90	5667	-449.3	2365.3	2384.1	0
8000	90	90	5667	-449.3	2465.3	2484	0
8100	90	90	5667	-449.3	2565.3	2583.9	0
8200	90	90	5667	-449.3	2665.3	2683.8	0
8300	90	90	5667	-449.3	2765.3	2783.7	0
8400	90	90	5667	-449.3	2865.3	2883.6	0
8500	90	90	5667	-449.3	2965.3	2983.4	0
8600	90	90	5667	-449.3	3065.3	3083.3	0
8700	90	90	5667	-449.3	3165.3	3183.2	0
8800	90	90	5667	-449.3	3265.3	3283.1	0
8900	90	90	5667	-449.3	3365.3	3383	0
9000	90	90	5667	-449.4	3465.3	3482.9	0
9100	90	90	5667	-449.4	3565.3	3582.8	0

9200	90	90	5667	-449.4	3665.3	3682.6	0
9300	90	90	5667	-449.4	3765.3	3782.5	0
9400	90	90	5667	-449.4	3865.3	3882.4	0
9500	90	90	5667	-449.4	3965.3	3982.3	0
9600	90	90	5667	-449.4	4065.3	4082.2	0
9700	90	90	5667	-449.4	4165.3	4182.1	0
9800	90	90	5667	-449.4	4265.3	4282	0
9900	90	90	5667	-449.4	4365.3	4381.8	0
10000	90	90	5667	-449.4	4465.3	4481.7	0
10100	90	90	5667	-449.4	4565.3	4581.6	0
10200	90	90	5667	-449.4	4665.3	4681.5	0
10300	90	90	5667	-449.4	4765.3	4781.4	0
10400	90	90	5667	-449.4	4865.3	4881.3	0
10500	90	90	5667	-449.4	4965.3	4981.1	0
10600	90	90	5667	-449.4	5065.3	5081	0
10700	90	90	5667	-449.4	5165.3	5180.9	0
10800	90	90	5667	-449.4	5265.3	5280.8	0
10900	90	90	5667	-449.4	5365.3	5380.7	0
11000	90	90	5667	-449.4	5465.3	5480.6	0
11100	90	90	5667	-449.4	5565.3	5580.5	0
11200	90	90	5667	-449.4	5665.3	5680.3	0
11300	90	90	5667	-449.4	5765.3	5780.2	0
11400	90	90	5667	-449.4	5865.3	5880.1	0
11500	90	90	5667	-449.4	5965.3	5980	0
11600	90	90	5667	-449.4	6065.3	6079.9	0
11700	90	90	5667	-449.4	6165.3	6179.8	0
11800	90	90	5667	-449.4	6265.3	6279.7	0
11900	90	90	5667	-449.4	6365.3	6379.5	0
12000	90	90	5667	-449.4	6465.3	6479.4	0
12100	90	90	5667	-449.4	6565.3	6579.3	0
12200	90	90	5667	-449.4	6665.3	6679.2	0
12300	90	90	5667	-449.5	6765.3	6779.1	0
12400	90	90	5667	-449.5	6865.3	6879	0
12500	90	90	5667	-449.5	6965.3	6978.9	0
12600	90	90	5667	-449.5	7065.3	7078.7	0
12700	90	90	5667	-449.5	7165.3	7178.6	0
12800	90	90	5667	-449.5	7265.3	7278.5	0
12900	90	90	5667	-449.5	7365.3	7378.4	0
13000	90	90	5667	-449.5	7465.3	7478.3	0
13100	90	90	5667	-449.5	7565.3	7578.2	0
13200	90	90	5667	-449.5	7665.3	7678	0
13300	90	90	5667	-449.5	7765.3	7777.9	0
13400	90	90	5667	-449.5	7865.3	7877.8	0
13500	90	90	5667	-449.5	7965.3	7977.7	0
13600	90	90	5667	-449.5	8065.3	8077.6	0
13700	90	90	5667	-449.5	8165.3	8177.5	0
13800	90	90	5667	-449.5	8265.3	8277.4	0
13900	90	90	5667	-449.5	8365.3	8377.2	0
14000	90	90	5667	-449.5	8465.3	8477.1	0
14100	90	90	5667	-449.5	8565.3	8577	0
14200	90	90	5667	-449.5	8665.3	8676.9	0
14300	90	90	5667	-449.5	8765.3	8776.8	0
14400	90	90	5667	-449.5	8865.3	8876.7	0

14500	90	90	5667	-449.5	8965.3	8976.6	0
14600	90	90	5667	-449.5	9065.3	9076.4	0
14700	90	90	5667	-449.5	9165.3	9176.3	0
14800	90	90	5667	-449.5	9265.3	9276.2	0
14902	90	90	5667	-449.5	9367.3	9378.1	0

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The location of the rams, drilling spool (if used) and the size and location of the valves may vary depending on the rig used. However, all equipment will meet BLM and Utah Division of Oil, Gas and Mining Specifications.

AFFIDAVIT Distance to Lease Lines

Wellington 19D-2002

Well Name: Wellington 19D-2002 Horizontal Casing Exit

Location: SHL 703' FNL & 615' FWL (Formation Entry Point is 948' FNL & 1077'FWL)

Section 19-T15S-R11E

BHL 1226' FNL & 660' FEL

Section 20-T15S-R11E

County: Carbon County, Utah

Permit No.: API# Pending

The Subject well horizontal wellbore will be a minimum of 660 feet away from all lease lines in Sections 19 and 20, T11S-R15E, Carbon County, Utah

Dated: January 14, 2014


Scott M. Webb-Regulatory & Permitting Manager

Whiting Oil and Gas Corporation

ACKNOWLEDGEMENT

STATE OF COLORADO)

) ss.

COUNTY OF DENVER)

On this 21st day of December, 2012, before me, a Notary Public, personally appeared Scott M. Webb, who being by me duly sworn, did say that he is Regulatory Coordinator of whiting Oil and Gas Corporation, and that the foregoing instrument was executed by him on behalf of said company as its free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed by Notarial Seal the day and year first above written.



My Commission Expires 8-31-2014


NOTARY PUBLIC

My Commission Expires: 8-31-2014

WHITING OIL & GAS CORP.

WELL PAD INTERFERENCE PLAT

WELLINGTON 19D-2002

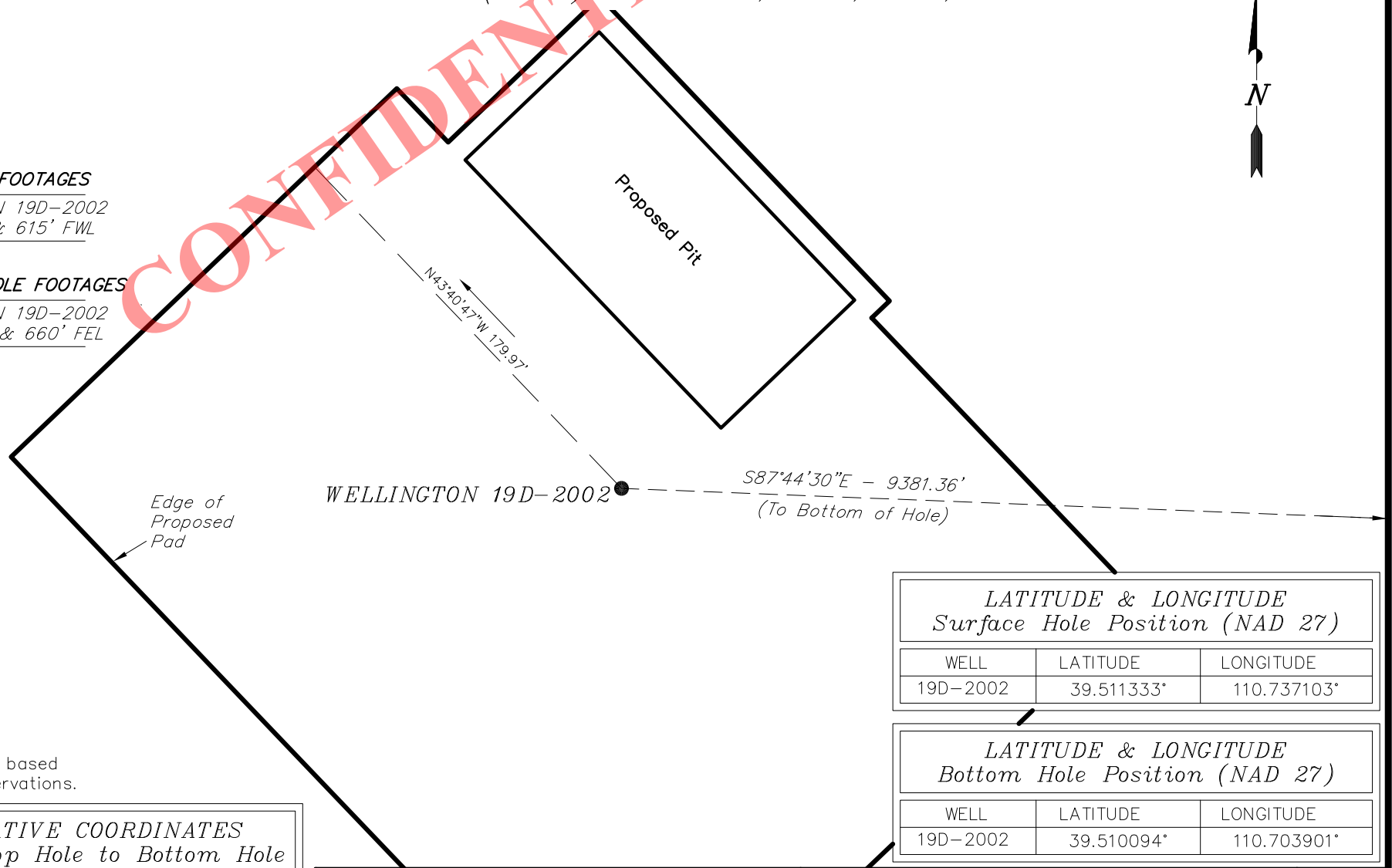
Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.

**TOP HOLE FOOTAGES**

WELLINGTON 19D-2002
703' FNL & 615' FWL

BOTTOM HOLE FOOTAGES

WELLINGTON 19D-2002
1226' FNL & 660' FEL

**Note:**

Bearings are based
on GPS Observations.

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
19D-2002	-370'	9,374'

LATITUDE & LONGITUDE
Surface Hole Position (NAD 27)

WELL	LATITUDE	LONGITUDE
19D-2002	39.511333°	110.737103°

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 27)

WELL	LATITUDE	LONGITUDE
19D-2002	39.510094°	110.703901°

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-12-13
SCALE: 1" = 60'	REVISED: L.C.S. 10-29-13

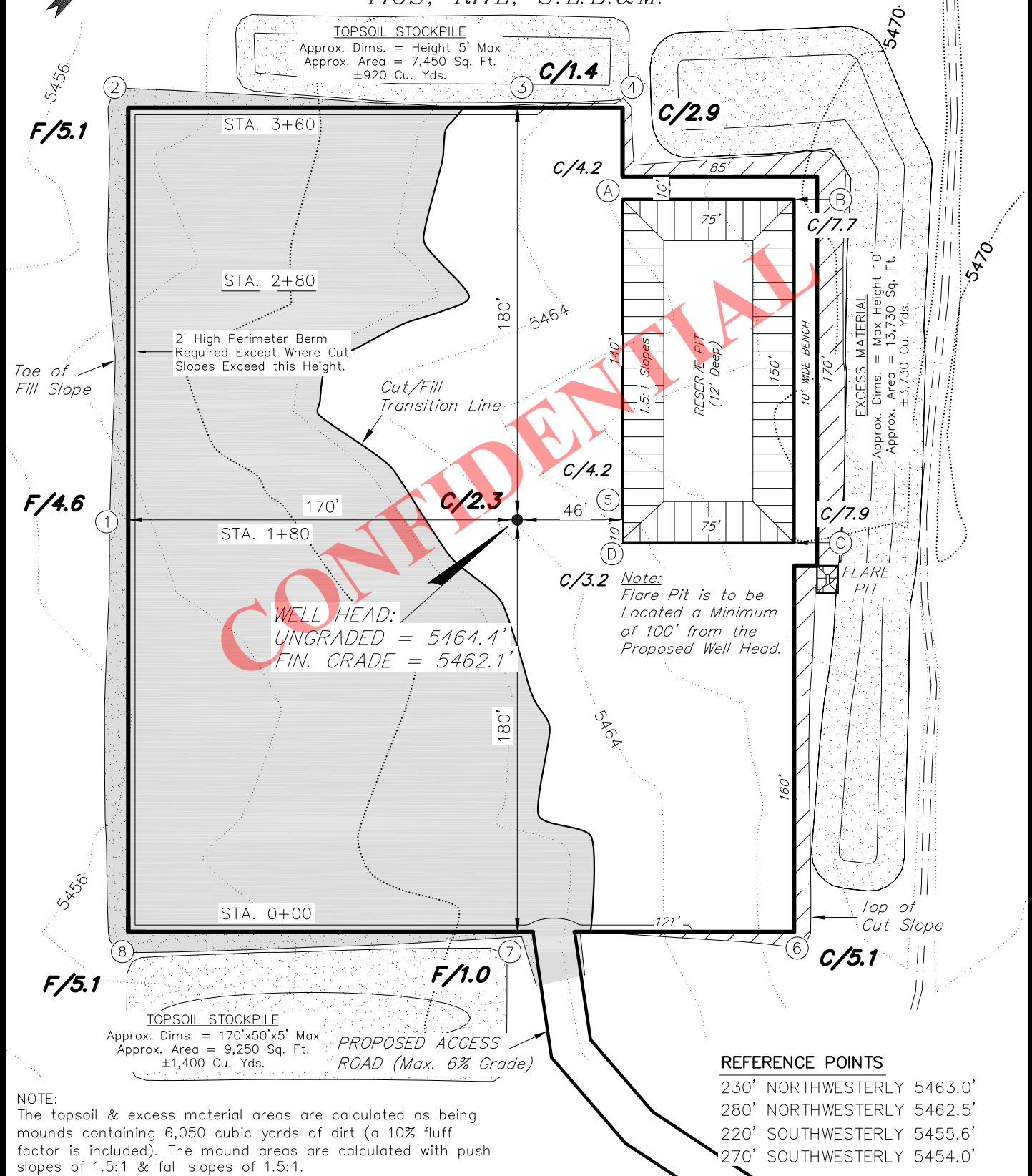
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET
3

RECEIVED: January 10, 2014

WHITING OIL & GAS CORP.**PROPOSED LOCATION LAYOUT****WELLINGTON 19D-2002**

Pad Location: NWNW (Lot 1) Section 19,
T15S, R11E, S.L.B.&M.

**NOTE:**

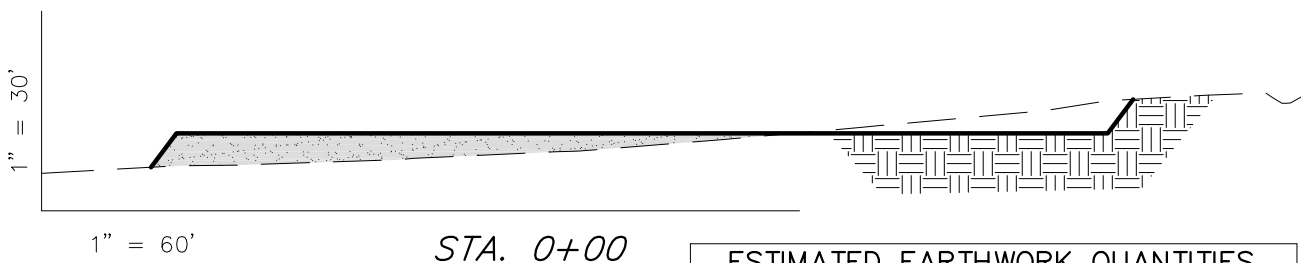
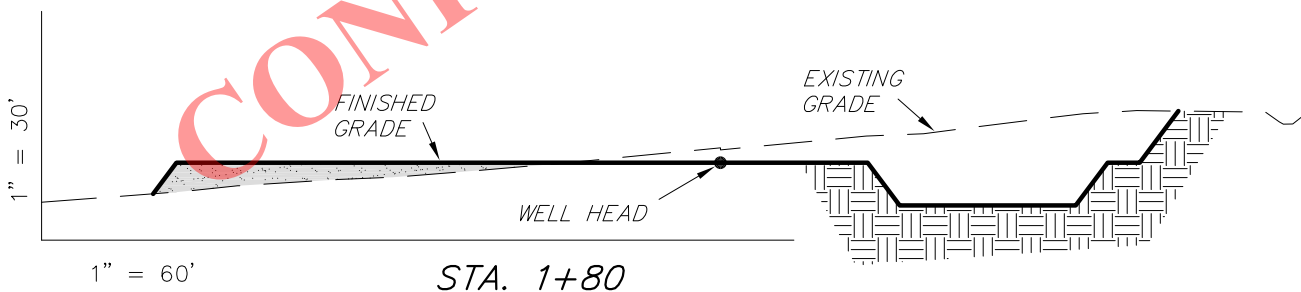
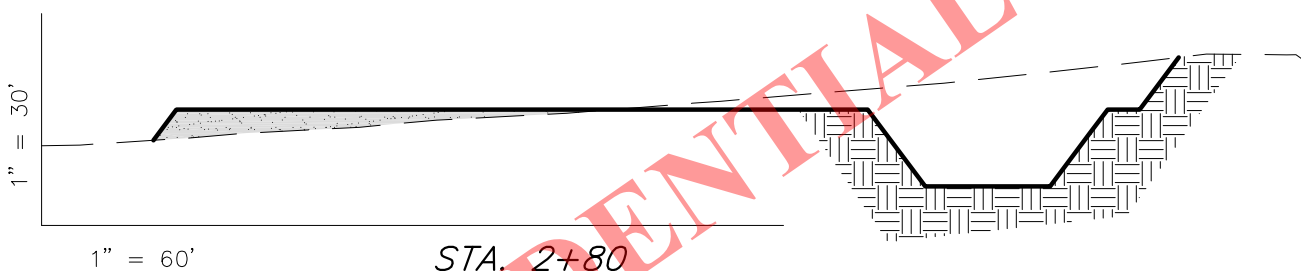
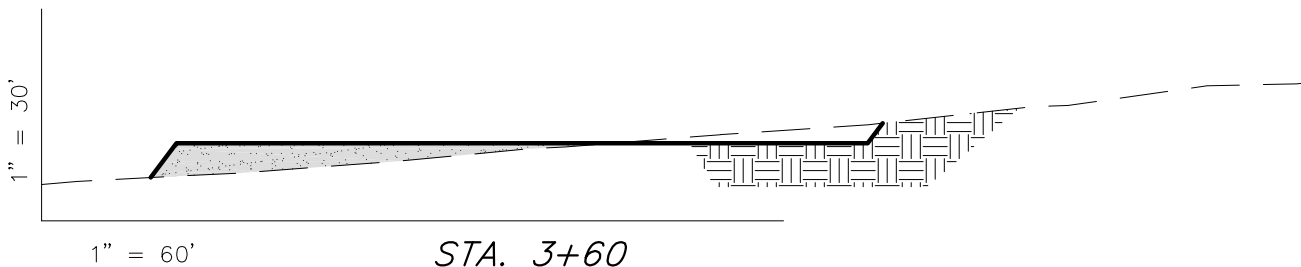
The topsoil & excess material areas are calculated as being mounds containing 6,050 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY:	S.V.	DATE SURVEYED:	08-24-13
DRAWN BY:	L.C.S.	DATE DRAWN:	09-11-13
SCALE:	1" = 60'	REVISED:	L.C.S. 10-29-13

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Land Surveying, Inc.
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET
4

RECEIVED: January 10, 2014

WHITING OIL & GAS CORP.**CROSS SECTIONS****WELLINGTON 19D-2002***Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

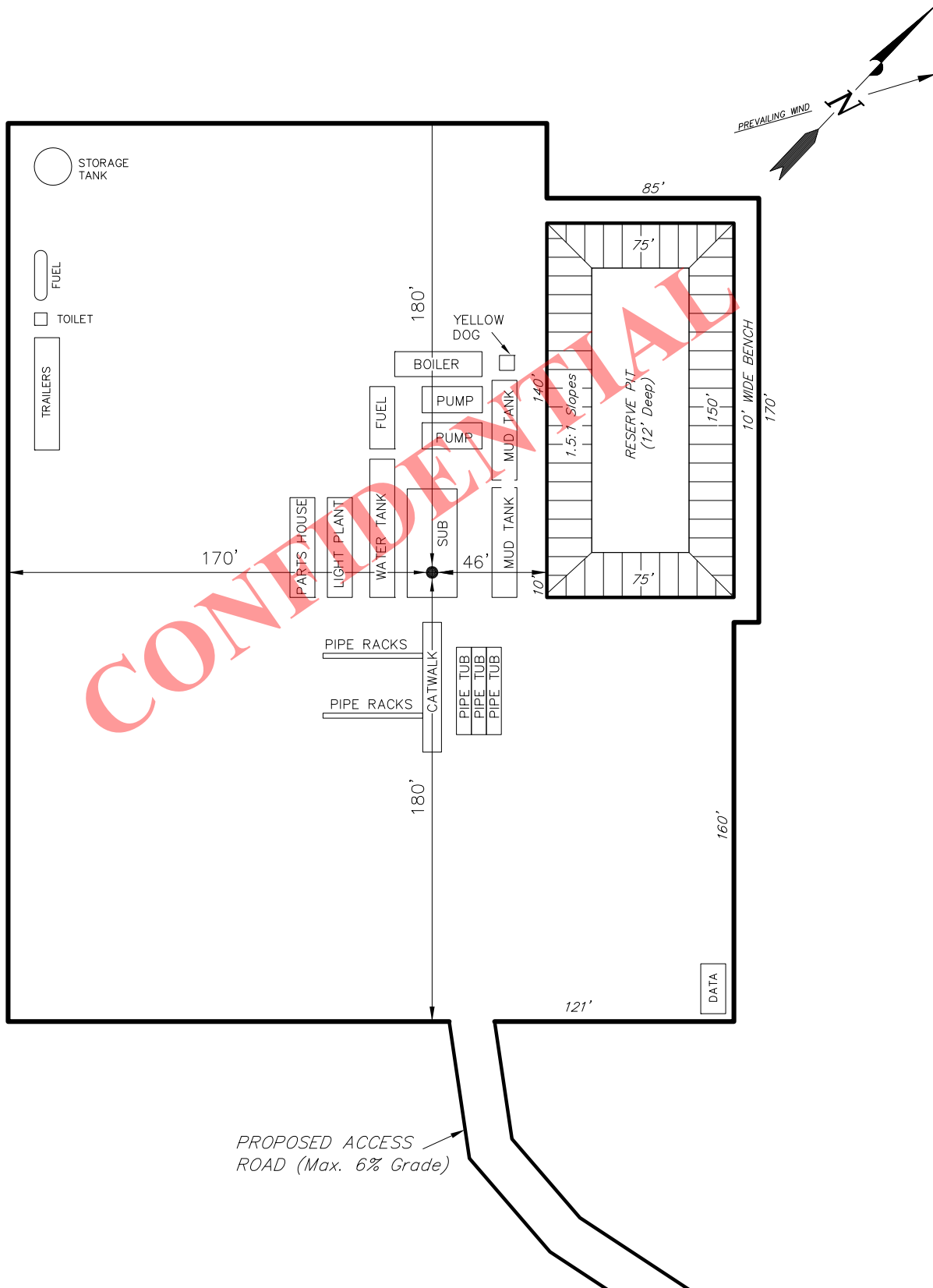
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,290	6,290	Topsoil is not included in Pad Cut Volume	0
PIT	3,390	0		3,390
TOTALS	9,680	6,290	2,110	3,390

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-11-13
SCALE: 1" = 60'	REVISED: L.C.S. 10-29-13

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SHEET
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RECEIVED: January 10, 2014

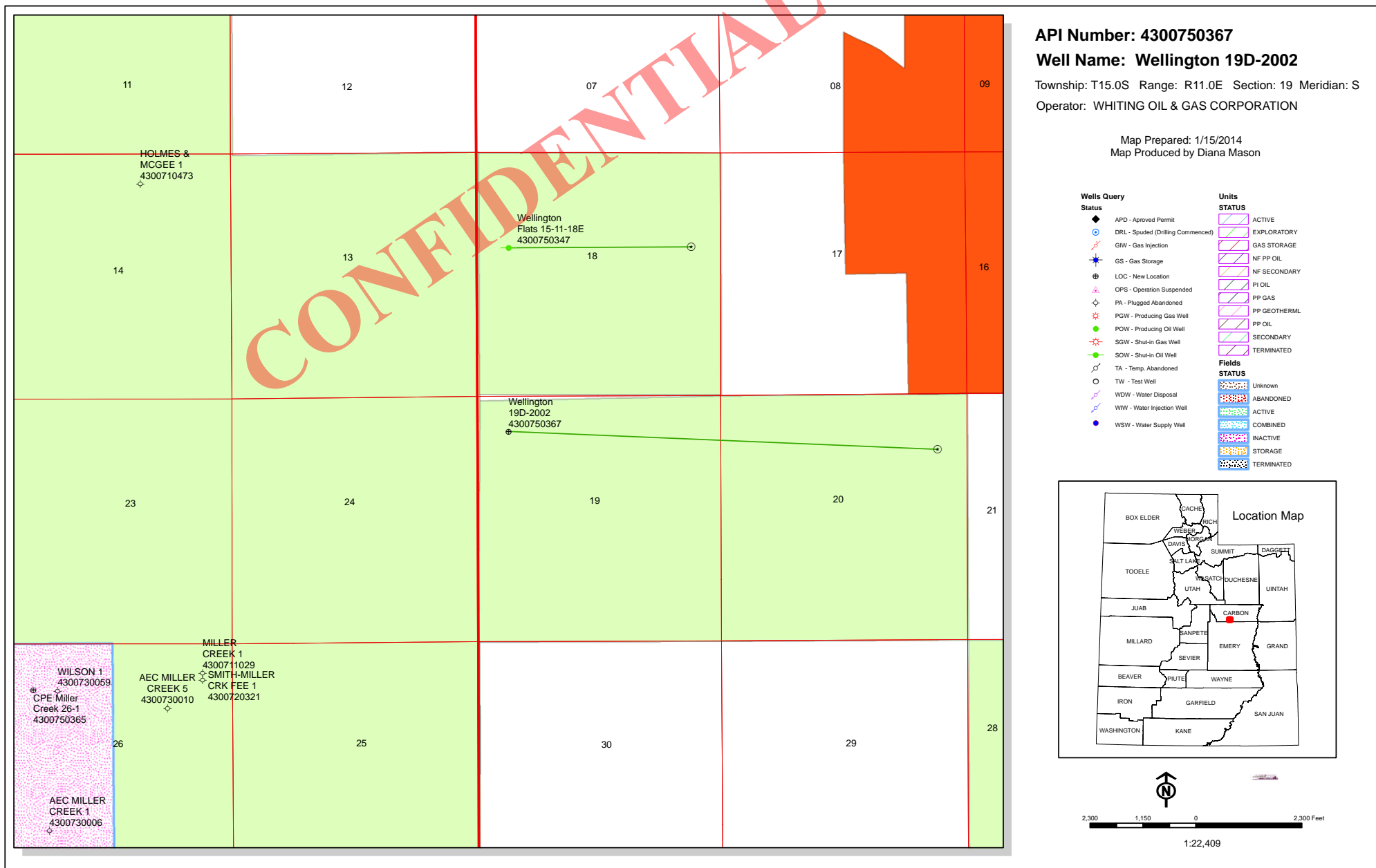
WHITING OIL & GAS CORP.**TYPICAL RIG LAYOUT****WELLINGTON 19D-2002***Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.*

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-11-13
SCALE: 1" = 60'	REVISED: L.C.S. 10-29-13

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET
6

RECEIVED: January 10, 2014





Diana Mason <dianawhitney@utah.gov>

Whiting well

Jeff Conley <jconley@utah.gov>

Thu, Mar 13, 2014 at 4:40 PM

To: Bradley Hill <bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov>

Cc: Jim Davis <jimdavis1@utah.gov>, starpoint <starpoint@etv.net>

Hello,

The following well has been approved by SITLA including arch and paleo:

(4300750367) Wellington 19D-2002

Thank you,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157

CONFIDENTIAL

Well Name	WHITING OIL & GAS CORPORATION Wellington 19D-2002 43007503			
String	SURF	I1	PROD	L1
Casing Size(in)	13.375	9.625	7.000	4.500
Setting Depth (TVD)	854	4579	5667	5667
Previous Shoe Setting Depth (TVD)	0	854	4579	5667
Max Mud Weight (ppg)	9.0	9.4	9.4	9.4
BOPE Proposed (psi)	0	5000	5000	5000
Casing Internal Yield (psi)	1700	5750	8160	10690
Operators Max Anticipated Pressure (psi)	2671			9.1

Calculations	SURF String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	400	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	298	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	212	NO OK
Required Casing/BOPE Test Pressure=		854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

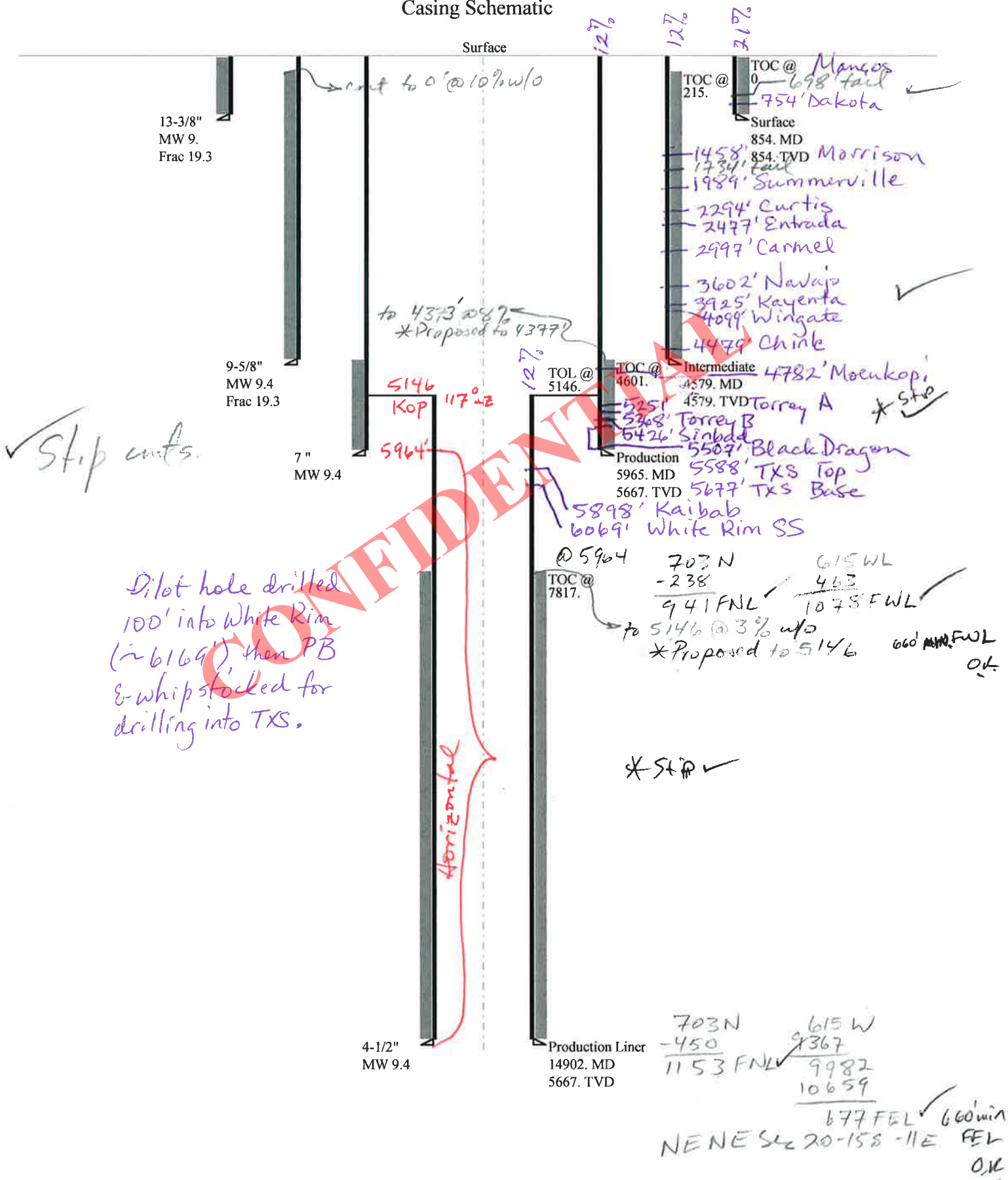
Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	2288	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1689	YES 5M BOP, two ram preventers, annular preventer
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1231	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1419	NO OK
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		854	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	2770	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2090	YES 5M BOP, two ram preventers, annular preventer
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1523	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2531	YES OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		4579	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2770	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2090	YES 5M BOP, two ram preventers, annular preventer
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1523	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2770	YES
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5667	psi *Assumes 1psi/ft frac gradient

43007503670000 Wellington 19D-2002

Casing Schematic



Well name:	43007503670000 Wellington 19D-2002		
Operator:	WHITING OIL & GAS CORPORATION		
String type:	Surface	Project ID:	43-007-50367
Location:	CARBON COUNTY		

Design parameters:**Collapse**

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 86 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 752 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 854 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 742 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 4,579 ft
Next mud weight: 9.400 ppg
Next setting BHP: 2,236 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 854 ft
Injection pressure: 854 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	854	13.375	48.00	WC-50	ST&C	854	854	12.559	9864
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	399	740	1.853	854	1700	1.99	41	308	7.51 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 21, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 854 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43007503670000 Wellington 19D-2002	
Operator:	WHITING OIL & GAS CORPORATION	
String type:	Intermediate	Project ID: 43-007-50367
Location:	CARBON COUNTY	

Design parameters:**Collapse**

Mud weight: 9.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 138 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 215 ft

Burst

Max anticipated surface pressure: 1,521 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,528 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 3,939 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 5,667 ft
Next mud weight: 9.400 ppg
Next setting BHP: 2,767 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,579 ft
Injection pressure: 4,579 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4579	9.625	40.00	L-80	LT&C	4579	4579	8.75	65520
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2236	3090	1.382	2528	5750	2.27	183.2	727	3.97 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 21, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4579 ft, a mud weight of 9.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43007503670000 Wellington 19D-2002	
Operator:	WHITING OIL & GAS CORPORATION	
String type:	Production	Project ID: 43-007-50367
Location:	CARBON COUNTY	

Design parameters:**Collapse**

Mud weight: 9.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 153 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 4,601 ft

Burst

Max anticipated surface pressure: 1,521 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,767 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 4,861 ft

Directional Info - Build & Hold

Kick-off point 5146 ft
Departure at shoe: 522 ft
Maximum dogleg: 11 °/100ft
Inclination at shoe: 90 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5965	7	29.00	L-80	LT&C	5667	5965	6.059	64801
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2767	6905	2.495	2767	8160	2.95	164.3	587	3.57 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: April 21, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5667 ft, a mud weight of 9.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43007503670000 Wellington 19D-2002		
Operator:	WHITING OIL & GAS CORPORATION		
String type:	Production Liner	Project ID:	43-007-50367
Location:	CARBON COUNTY		

Design parameters:**Collapse**

Mud weight: 9.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 153 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 7,817 ft

Burst

Max anticipated surface pressure: 1,521 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,767 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,675 ft

Liner top: 5,146 ft

Directional Info - Build & Hold

Kick-off point 5146 ft
Departure at shoe: 9378 ft
Maximum dogleg: 11 °/100ft
Inclination at shoe: 90 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9802	4.5	11.60	P-110	LT&C	5667	14902	3.875	47226
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2767	7580	2.739	2767	10690	3.86	6.6	279	42.42 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 21, 2014
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 5667 ft, a mud weight of 9.4 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator WHITING OIL & GAS CORPORATION
Well Name Wellington 19D-2002
API Number 43007503670000 **APD No** 9254 **Field/Unit** WILDCAT
Location: 1/4,1/4 NWNW Sec 19 Tw 15.0S Rng 11.0E 703 FNL 615 FWL
GPS Coord (UTM) **Surface Owner**

Participants

M. Jones (UDOGM), Scott Swain and Patrick Abbot (Whitting consultant), Jim Davis (SITLA).

Regional/Local Setting & Topography

Location is staked approximately 1 mile south of Ridge Road just off of the Lower lower Miller Creek Road in Carbon County, Utah. The topography is relatively flat with a gradual slope towards the south. Drainage in the immediate and surrounding area will eventually make their way to Miller Creek and then to the Price River further to the east.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.11	Width 291 Length 360	Onsite	MNCS

Ancillary Facilities N

The areas surrounding the well pad and it's associated access road shall be constricted to the confines of the parameters outlined within this Application to Drill and given permit. The outlying areas should be kept undisturbed.

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

typical mancos desert shrubs and grasses. Sparse vegetation as the location is in "light" mancos shale soils.

Soil Type and Characteristics

mancos shale clay

Erosion Issues Y

Erosion can occur upon disturbance of the soils.

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

Diversion of natural drainages should be provided around and away from well pad and access road.

Berm Required? Y

Berm location to prevent leaks drips and spills from leaving the wellpad area.

Erosion Sedimentation Control Required? N

Paleo Survey Run? Paleo Potential Observed? Cultural Survey Run? Cultural Resources?

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	100 to 200	15
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Low permeability	0
Fluid Type	TDS>5000 and	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations	10 to 30	10 to 30
Presence Nearby Utility Conduits	Not Present	0
Final Score		31 1 Sensitivity Level

Characteristics / Requirements

Dugout earthen pit (150'x75'x12'). The site is in mancos clay soils with no nearby drainages to speak of and no presence of surface waters or underground aquifers. Pit ranking criteria does not require a liner for this situation therefore a pit liner is not stipulated or required by the Division for this particular well pad. SITLA was in agreement during the pre-site. If the operator still desires to use a pit liner that will be fine, but no specific stipulation will be attached from the Division to do so.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Mark Jones
Evaluator

2/6/2014
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9254	43007503670000	LOCKED	OW	S	No
Operator	WHITING OIL & GAS CORPORATION		Surface Owner-APD		
Well Name	Wellington 19D-2002		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	NWNW 19 15S 11E S 703 FNL (UTM)	522554E 4373544N	615 FWL	GPS Coord	

Geologic Statement of Basis

The proposed well is to be drilled to a total depth of 6,169' with surface casing set from 0'-854'. It is recommended that the surface casing be extended to a minimum of 1,000' and the cement from the intermediate string be brought back up into the casing shoe of the surface string. The surface string will be drilled using fresh water and gel/lime sweeps. Within a 10,000' radius from the proposed well there are several shallow subsurface groundwater rights which are all used for industrial purposes. The poorly permeable soil has been formed from the erosion of the Blue Gate Member of the Mancos Shale. Units of the Ferron Sandstone Member of the Mancos Shale are present at the near surface or subsurface, these strata are included within the interval to be protected by the surface casing string. The operator should be aware of the likelihood of these units being water saturated and to respond to protecting these zones as necessary. Proposed surface & intermediate casing & cement should adequately isolate any shallow zones containing water.

Ammon McDonald
APD Evaluator

4/17/2014
Date / Time

Surface Statement of Basis

Location is staked just south of Ridge Road and just west of the lower Miller Creek Road within Wellington City limits in Carbon County, Utah. The topography is relatively flat with a gentle overall slope towards the southeast. Drainage in the immediate and surrounding area will eventually make their way to Miller Creek and then to the Price River further to the east. Dugout earthen pit (150'x75'x12') is proposed. The site is in Mancos clay soils with no nearby drainages to speak of and no presence of surface waters or underground aquifers. Pit ranking criteria does not require a liner for this situation therefore a pit liner is not stipulated or required by the Division for this particular well pad. SITLA was in agreement during the pre-site. The well site shall be defined by some means by the operator once construction is completed in order to confine all well activities specifically to the well pad and the legal Right-of-Way for the road. Traffic, parking, or storage of equipment or materials will not be allowed off of well pad. The access shall be surfaced with rock due to the extreme mud issues associated with the Mancos type clay. Proper permits and communication should be had with Carbon County for road encroachment.

Mark Jones
Onsite Evaluator

2/6/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

RECEIVED: May 12, 2014

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The access shall be surfaced with rock.
Surface	The areas surrounding the well pad and it's associated access road shall be constricted to the confines of the parameters outlined within this Application to Drill and given permit. The outlying areas should be kept undisturbed. Ancillary facility needs and or equipment storage or well service companies can use the other nearby Whiting location and/or the truck stop, just a few miles to the NE for parking and waiting time.
Surface	The well site shall be bermed to prevent fluids from entering or
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/10/2014

API NO. ASSIGNED: 43007503670000

WELL NAME: Wellington 19D-2002

OPERATOR: WHITING OIL & GAS CORPORATION (N2680)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 19 150S 110E

Permit Tech Review: ☒

SURFACE: 0703 FNL 0615 FWL

Engineering Review: ☒

BOTTOM: 1226 FNL 0660 FEL

Geology Review: ☒

COUNTY: CARBON

LATITUDE: 39.51124

LONGITUDE: -110.73763

UTM SURF EASTINGS: 522554.00

NORTHINGS: 4373544.00

FIELD NAME: WILDCAT

LEASE TYPE: 3 - State

LEASE NUMBER: ML-49795

PROPOSED PRODUCING FORMATION(S): MOENKOPI

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - RLB0004585☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Municipal Water from Wellington☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 280-02

Effective Date: 12/19/2013

Siting: 660' Fr North Drl U Bdry & 1320' Fr Other Wells

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald
13 - Cement Volume Formation (3a) - hmacdonald
27 - Other - bhill

RECEIVED: May 12, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Wellington 19D-2002

API Well Number: 43007503670000

Lease Number: ML-49795

Surface Owner: STATE

Approval Date: 5/12/2014

Issued to:

WHITING OIL & GAS CORPORATION, 1700 Broadway, Suite 2300, Denver, CO 80290

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 280-02. The expected producing formation or pool is the MOENKOPI Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4377' MD or 200' inside the 9 5/8" as indicated in the submitted drilling plan.

Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to TOL to adequately isolate the Moenkopi.

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read 'J. Rogers', written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/11/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Whiting Oil & Gas Corporation respectfully requests that the location layout for the referenced well be expanded to accommodate a large rig than initially expected. Attached please find updated layouts, cross-sections and maps reflecting this change.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

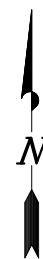
Date: ~~September 23, 2014~~

By:

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A	DATE 9/9/2014	

WHITING OIL & GAS CORP.**WELL PAD INTERFERENCE PLAT****WELLINGTON 19D-2002**

Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.

**TOP HOLE FOOTAGES**WELLINGTON 19D-2002
703' FNL & 615' FWL**BOTTOM HOLE FOOTAGES**WELLINGTON 19D-2002
1226' FNL & 660' FEL**LATITUDE & LONGITUDE**
Surface Hole Position (NAD 27)

WELL	LATITUDE	LONGITUDE
19D-2002	39.511333°	110.737103°

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 27)

WELL	LATITUDE	LONGITUDE
19D-2002	39.510094°	110.703901°

Proposed Pit

N43°40'47"W 190.04'

WELLINGTON 19D-2002 ——— S87°44'30"E - 9381.36'
(To Bottom of Hole)Edge of
Proposed
Pad

Access Road

Note:Bearings are based
on GPS Observations.**RELATIVE COORDINATES**
From Top Hole to Bottom Hole

WELL	NORTH	EAST
19D-2002	-370'	9,374'

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-12-13
SCALE: 1" = 60'	REVISED: M.W. 09-15-14

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

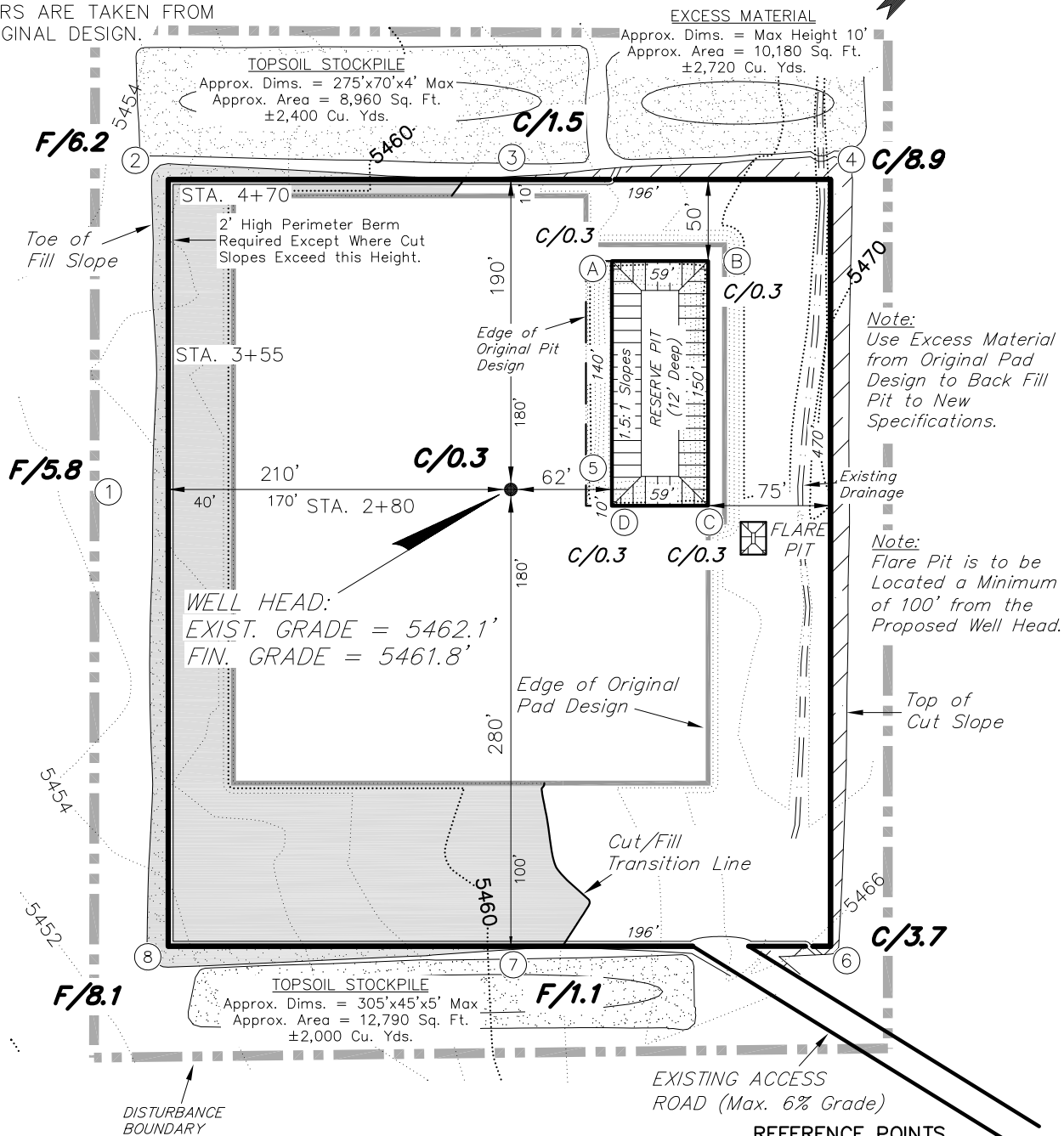
SHEET
3

WHITING OIL & GAS CORP.**PROPOSED LOCATION LAYOUT****WELLINGTON 19D-2002**

*Pad Location: NWNW (Lot 1) Section 19,
T15S, R11E, S.L.B.&M.*

NOTE:

THE STOCKPILES SHOWN
INCLUDE THE ORIGINAL
CALCULATED MATERIAL PLUS
THE ADDITIONAL TOPSOIL
GENERATED BY THE EXPANSION
OF THE PAD. THE GRADE AND
CONTOURS ARE TAKEN FROM
THE ORIGINAL DESIGN.

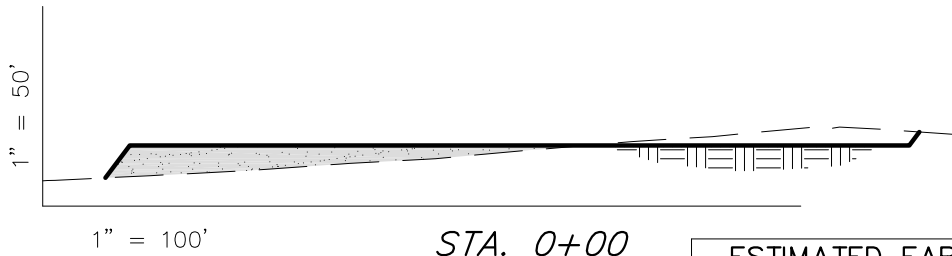
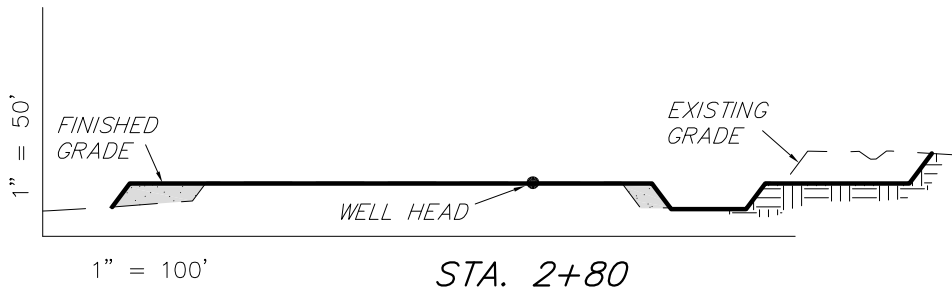
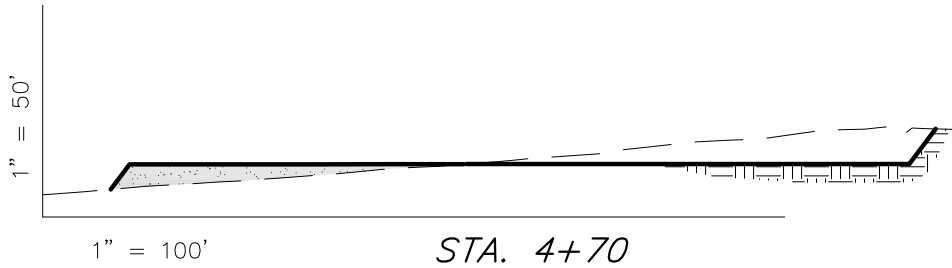
**NOTE:**

The topsoil & excess material areas are calculated as being mounds containing 6,050 cubic yards of dirt (original construction) and 2,080 cubic yards of dirt (new construction) (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-11-13
SCALE: 1" = 100'	REVISED: M.W. 09-15-14

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
4

WHITING OIL & GAS CORP.**CROSS SECTIONS
WELLINGTON 19D-2002***Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

NOTE:
ESTIMATED EARTHWORK QUANTITIES
ARE FOR THE EXPANSION
CONSTRUCTION ONLY. THEY DO
NOT INCLUDE EXISTING
STOCKPILES. THE FINISHED GRADE
OF THE ORIGINAL PAD WAS
DETERMINED FROM THE ORIGINAL
PAD DESIGN.

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

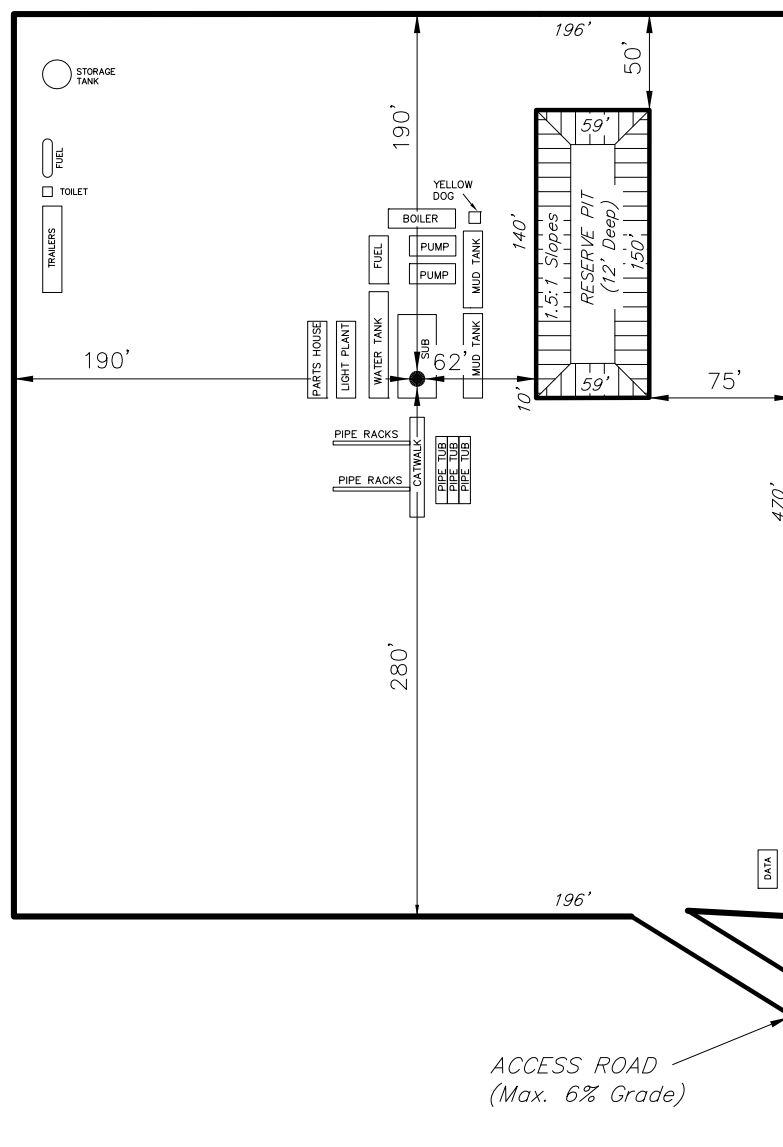
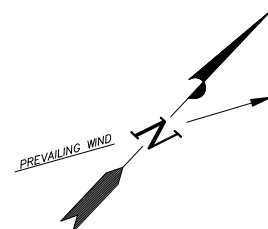
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,680	7,660	Topsoil is not included in Pad Cut Volume	20
PIT	NA	NA		NA
TOTALS	7,680	7,660	1,890	20

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-11-13
SCALE: 1" = 100'	REVISED: M.W. 09-15-14

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
5

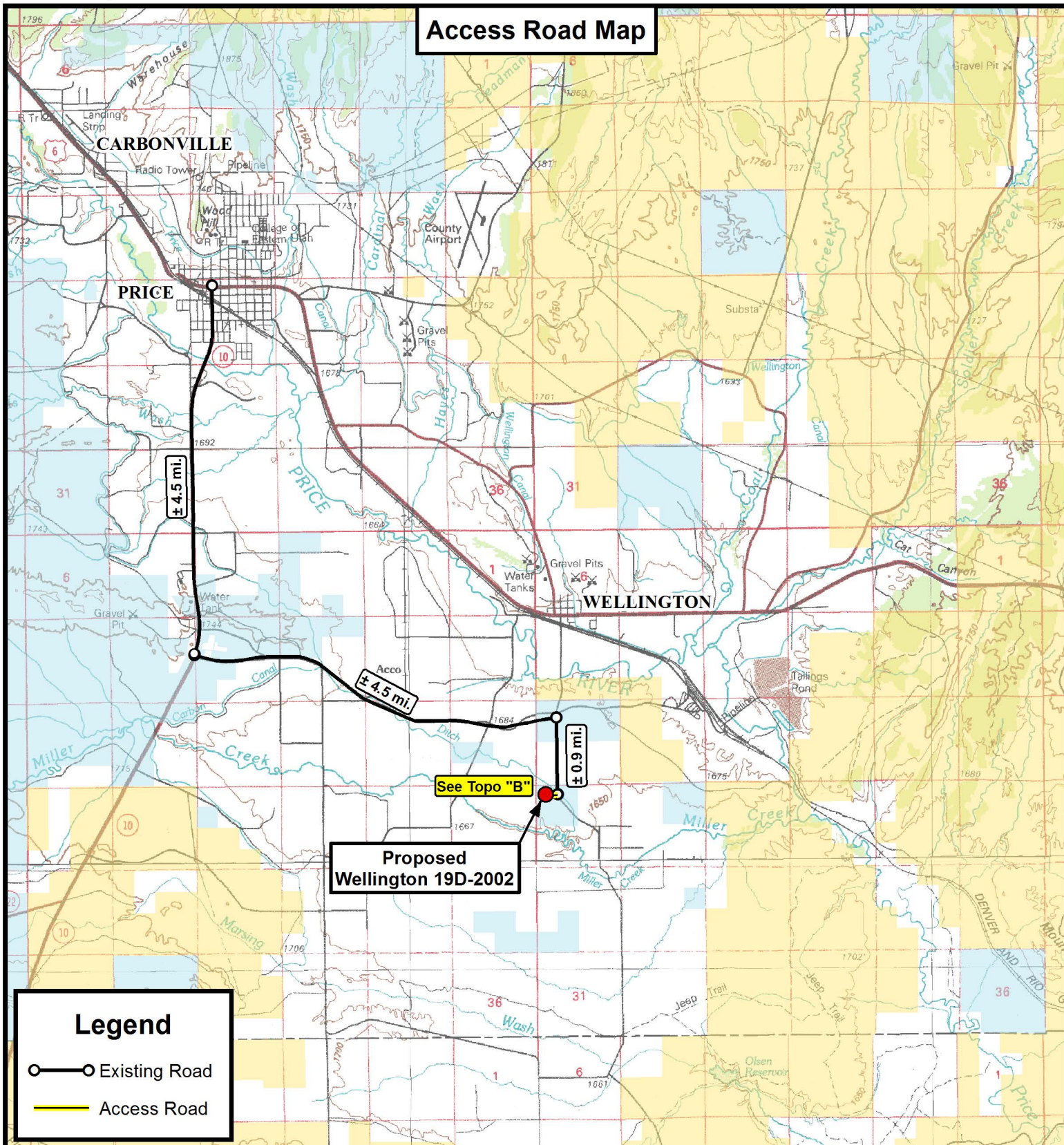
RECEIVED: Sep. 16, 2014

WHITING OIL & GAS CORP.**TYPICAL RIG LAYOUT****WELLINGTON 19D-2002***Pad Location: NWNW (Lot 1) Section 19, T15S, R11E, S.L.B.&M.*

SURVEYED BY: S.V.	DATE SURVEYED: 08-24-13
DRAWN BY: L.C.S.	DATE DRAWN: 09-11-13
SCALE: 1" = 100'	REVISED: M.W. 09-15-14

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
6



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



P: (435) 781-2501
F: (435) 781-2518



WHITING OIL & GAS CORP.

**Proposed Wellington 19D-2002
Sec. 19, T15S, R11E, S.L.B.&M.
Carbon County, UT.**

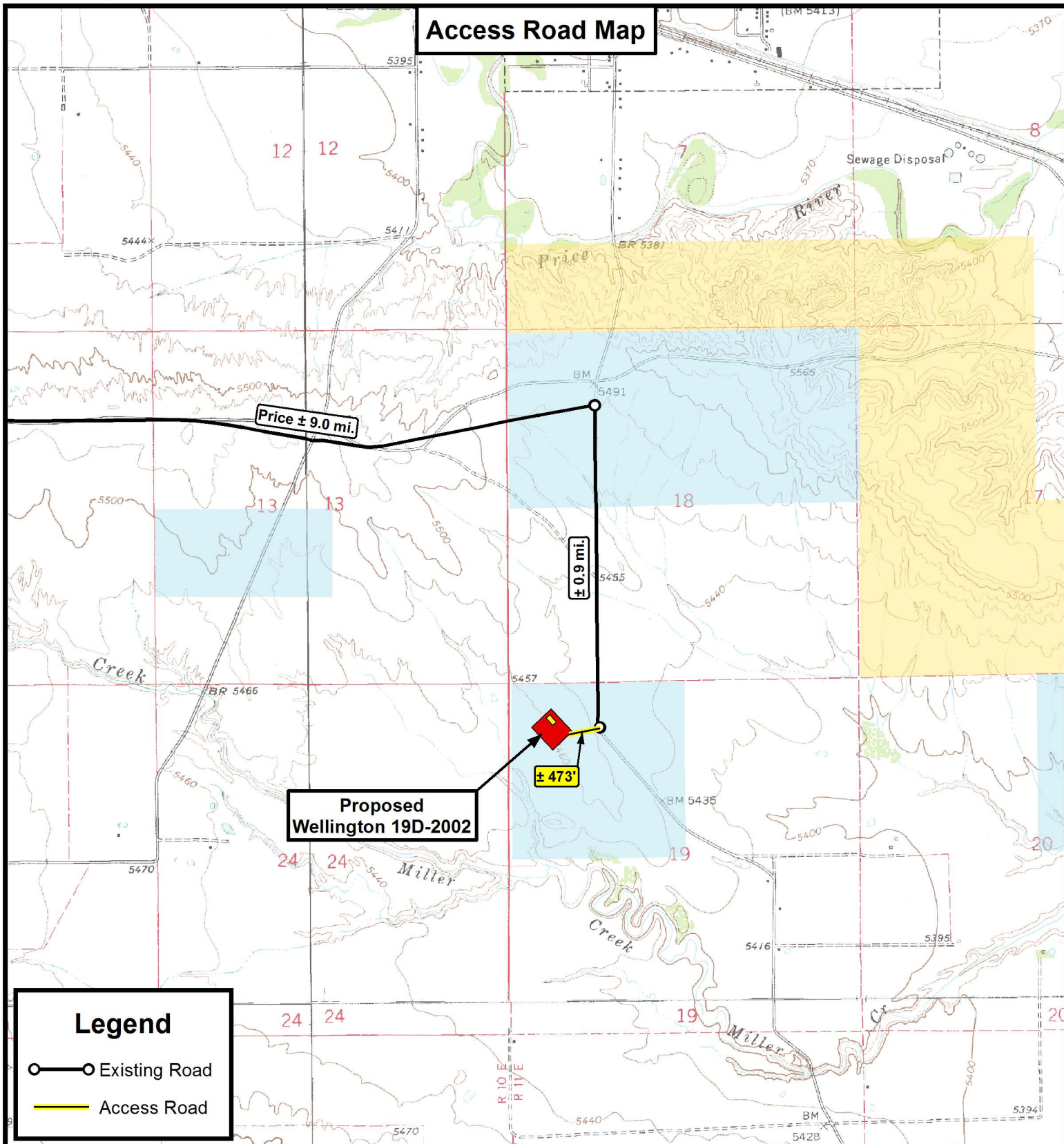
DRAWN BY:	D.C.R.	REVISED:	09-15-14 D.C.R.
DATE:	01-15-14		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



WHITING OIL & GAS CORP.

Proposed Wellington 19D-2002
Sec. 19, T15S, R11E, S.L.B.&M.
Carbon County, UT.

DRAWN BY:	D.C.R.	REVISED:	09-15-14 D.C.R.
DATE:	01-15-14		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

B

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		8. WELL NAME and NUMBER: Wellington 19D-2002
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		9. API NUMBER: 43007503670000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: CARBON
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/23/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Whiting Oil and Gas Corporation requests approval to change the drilling program to drill and core the approved pilot hole to 6,300 feet in the Wellington 19D-2002 well for now. The pilot will be plugged as per the attached documents and well bore abandoned.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: December 22, 2014

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A		DATE 12/12/2014



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43007503670000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Add Plug #1A: A 250' plug (± 120 sx) shall be balanced from $\pm 6100'$ to 5850'. 3. Move Plug # 3: Plug #3 (2670' to 2420') in procedure shall be moved downhole $\pm 330'$ and balanced from $\pm 3000'$ to 2750'.**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. Final plugging will require additional plug(s) and approval.**
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

Whiting Oil & Gas Corporation
Wellington 19D-2002 Drill Plan
Vertical – White Rim Well
December 22, 2014

Summary:

The Wellington 19D-2002 well will be a Vertical White Rim well. The pilot hole will be drilled 250' into the White Rim Sand Stone then plugged back to allow time for evaluation to determine if a lateral is feasible.

Surface Location: 19-T15S-R11E
 703' FNL 615' FWL
 Carbon County, Utah

Bottom Hole Location: 19-T15S-R11E
 703' FNL 615' FWL

DRILLING PROGRAM

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Ground Level 5,462' Estimated KB 5,486' (24')

FORMATION	TVD	LITHOLOGY	<u>Hazard</u>
MANCOS	SURFACE	SH	
FERRON	303	SS	
TUNUNK	393	SH	
DAKOTA	745	SS	
MORRISON	1,449	SS, SLTST, SH	
SUMMERVILLE	1,980	SS, SLTST, SH	
CURTIS	2,285	SS	
ENTRADA	2,468	SS	
CARMEL	2,988	SS, LS, SH, ANHY	
NAVAJO	3,593	SS	Water, CO2
CHINLE	4,470	SS, SH	
MOENKOPI	4,773	SLTST, SH	
TORREY	5,242	SLTST	
SINBAD	5,417	LS, DO	
BLACK DRAGON	5,498	SLTST, SH, DO	Gas
TXS	5,579	SS	
TXS BASE	5,668	SLTST,SH,DO	
KAIBAB	5,889	LS	
WHITE RIM	6,060	SS	
TD	6,300	SS	

2. PRESSURE CONTROL EQUIPMENT

A. Type: 11" 5,000 psi double gate hydraulic BOP with 11" 5,000 psi annular preventer with 5,000 psi Casinghead.

B. Testing Procedure:

The annular preventer will be pressure tested to 50% of stack rated working pressure for ten (10) minutes or until provisions of test are met, whichever is longer. The BOP, choke manifold, and related equipment will be pressure tested to approved BOP stack working pressure (if isolated from surface casing by a test plug) or to 70% of surface casing internal yield strength (if BOP is not isolated by a test plug). Pressure will be maintained for ten (10) minutes or until the requirements of the test are met, whichever is longer. At a minimum, the Annular and Blow-Out Preventer pressure tests will be performed:

1. When the BOPE is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

Annular will be function tested weekly, and pipe & blind rams activated each trip, but not more than once per day. All BOP drills & tests will be recorded in IADC driller's log.

C. Choke Manifold Equipment:

All choke lines will be straight lines whenever possible at turns, tee blocks will be used or will be targeted with running tees, and will be anchored to prevent whip and vibration.

D. Accumulator:

Accumulator will have sufficient capacity to open hydraulically-controlled choke line valve (if so equipped), close all rams plus annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double accumulator capacity and the fluid level will be maintained at manufacturer's recommendations. Accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack.

E. Miscellaneous Information:

Choke manifold and BOP extension rods with hand wheels will be located outside rig sub-structure. Hydraulic BOP closing unit will be located at least twenty-five (25) feet from the wellhead but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold with the discharge point of the flare line to a separate pit located at least 125 feet away from the wellbore and any existing production facilities.

A volume monitoring system with alarms will be used to monitor pit gains/losses along with visual backup.

3. PROPOSED CASING PROGRAM**A. Casing Program: All New**

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Coupling OD	Burst (psi)	Collapse (psi)	Tension (Body/Joint) (klbs)	Depth Set (md)
12-1/4"	9-5/8"	36	J-55	ST&C	10.625"	3,520	2,020	564/423	0 – 2,100'

9-5/8" surface casing will have centralizers as follows:

1. Install a bowspring centralizer at the first and second collars above the guide shoe.
2. Install one bowspring centralizer every third joint above the second collar.
3. Centralizer and basket placed 120' below the surface (or at the bottom of the third joint below the surface).
4. Centralizer and basket placed 80' below the surface (or at the bottom of the second joint below the surface).

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:**Surface Casing**

Interval	Size	Wt	Grade	Burst (psi) ^a /SF	Collapse (psi) ^b /SF	Tension (klb) ^c /SF
0' – 2,100'	9-5/8"	36.0 lb/ft	J-55	3,520/3.38	2,020/2.01	394/6.06
a. based on frac gradient at shoe of 9.2.0 ppg						
b. based on full evacuation with 9.2 ppg pore pressure on backside						
c. based on casing string weight in 9.2 ppg mud						
String Weight in 9.2 ppg mud ≈ 65 klbs.						

PROPOSED CEMENTING PROGRAM**Surface Casing – 13-3/8" Casing: TOC Surface, (100% Excess)**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
9-5/8"	Lead	1,600'	Lead Cement VARICEM™ CEMENT; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 0.25 lbm/sk Kwik Seal (Lost Circulation Additive)	365	100	11.5	2.76
9-5/8"	Tail	500'	Tail Cement VARICEM™ CEMENT; - 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) - 0.25 lbm/sk Kwik Seal (Lost Circulation Additive)	190	100	13.5	1.68

A cement top job is required if cement fallback is greater than 10' below ground level.

Cement Plug – 8-3/4" Open Hole: TOC Varies, (100% Excess)

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	XC (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
9-5/8"	Plug 1 TOC @ 4,725'	250	Lead Cement Halcem™ Cement - 0.25% HR-5	120	30	15.8	1.148
9-5/8"	Plug 2 TOC @ 3,545'	350	Lead Cement Halcem™ Cement - 0.20% HR-5	170	30	15.8	1.148
9-5/8"	Plug 3 TOC @ 2,420'	250	Lead Cement Halcem™ Cement - 0.10% HR-5	120	30	15.8	1.147
9-5/8"	Plug 4 TOC @ 1,932'	250	Lead Cement Halcem™ Cement - 0.10% HR-5	103	30 of OH	15.8	1.147

4. MUD PROGRAM

<u>Depth (MD)</u>	<u>Mud System</u>	<u>MW</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>
0 - 2,100'	Water, Gel/Lime Sweeps	8.4 – 9.0	2 - 20	2 - 18	NC
2,100' – 6,300'	3% KCL Water/Polymer	8.4 – 9.4	10 - 28	6 - 18	6 - 10

5. EVALUATION PROGRAM

Cores: 120' of core planned from 5,580' to 5,700'.

DST: None planned

Surveys: Deviation surveys every 500' to TD in the surface, intermediate and production holes.

Mud Logger:

Samples: 30' samples surface casing to TD

Open Hole Logging Program: Quad Combo 6,300' – Surface; FMI 6,300' – 4,500'

6. ABNORMAL CONDITIONS

No abnormal pressures are anticipated. No H₂S gas is anticipated.

Anticipated bottom hole pressure is 3,011 psi (0.478 psi/ft) at 6,300' TVD in the Kaibab and the maximum anticipated surface pressure equals approximately 1,625 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

7. ANTICIPATED STARTING DATES**A. Anticipated Starting Dates:**

Dirt work startup: Oct 2014

Spud: Dec 2014

Duration: 10 - 16 days

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/11/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well spud 12/11/2014.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 December 30, 2014

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 12/30/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/31/2014	OTHER: December status update	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DRILLING REPORT Report Date:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well spud 12/11/14. Drill 12-1/4" hole to 2108', run 9-5/8" csg to 2108' and cement to surface. Drill 8-3/4" hole to 6300'. Run CIBP to 1942'. Operations suspended, evaluating core.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 12, 2015		
NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 1/12/2015	

HALLIBURTON**Cementing Job Summary***The Road to Excellence Starts with Safety*

Sold To #: 366960	Ship To #: 3280764	Quote #: 0021970970	Sales Order #: 0901922768
Customer: WHITING OIL & GAS CORP - EBUS		Customer Rep: Mark	
Well Name: WELLINGTON	Well #: 19D-2002	API/UWI #: 43-007-50367-00	
Field: UNDESIGNATED	City (SAP): PRICE	County/Parish: CARBON	State: UTAH
Legal Description: NW NW-19-15S-11E-703FNL-615FWL			
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 303	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Eric Fuchs	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	2108ft		Job Depth TVD
Water Depth			Wk Ht Above Floor 15
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	2109		
Casing		9.625	8.921	36			0	2108		

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe	9.625				Top Plug	9.625	1	HES	
Float Shoe	9.625	1		2108	Bottom Plug	9.625		HES	
Float Collar	9.625	1			SSR plug set	9.625		HES	
Insert Float	9.625				Plug Container	9.625	1	HES	
Stage Tool	9.625				Centralizers	9.625		HES	

Miscellaneous Materials									
Gelling Agt	Conc		Surfactant	Conc		Acid Type	Qty	Conc	
Treatment Fld	Conc		Inhibitor	Conc		Sand Type	Size	Qty	

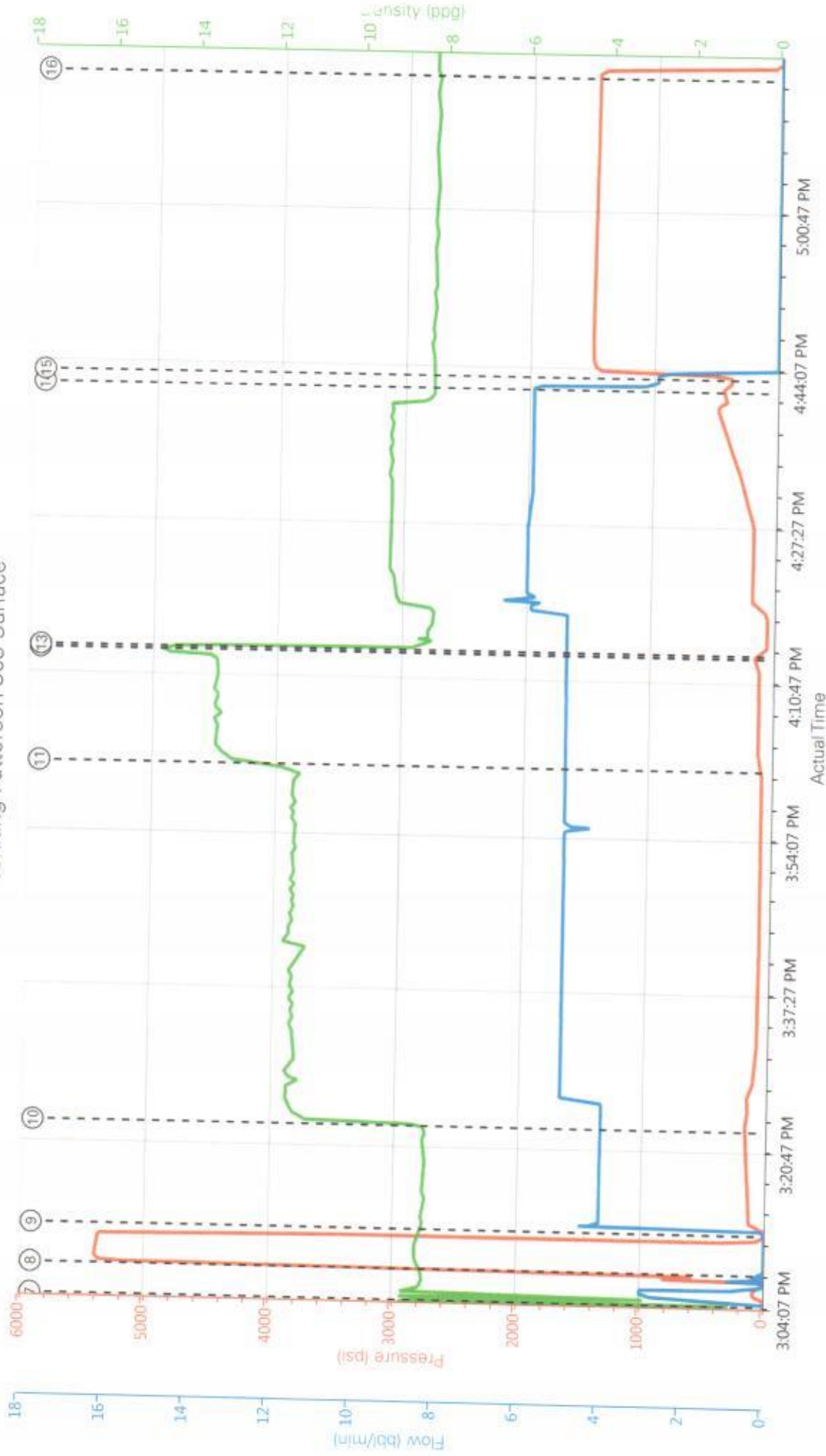
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water	Fresh Water	40	bbl	8.33				
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

HALLIBURTON*Cementing Job Summary*

2	VariCem R1	VARICEM (TM) CEMENT	365 Bbls	Sack 179	11.5	2.76		6	16.75
0.1250 lbm		POLY-E-FLAKE (101216940)							
0.25 lbm		KWIK SEAL, SK (100064010)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	VariCem R1	VARICEM (TM) CEMENT	200 60	Sack Bbls	13.5	1.68		6	8.8
0.25 lbm		KWIK SEAL, SK (100064010)							
0.1250 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Displacement Fluid	Displacement Fluid	159	bbl	9.1				
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
5	Type III	Premium Plus - Type III	0	sack	14.8	1.36		4	6.62
94 lbm		CMT - STANDARD TYPE III - FINE , BULK (100012229)							
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
Cement Left In Pipe	Amount	40 ft	Reason						Shoe Joint
Comment									

Signature_____

Whiting Patterson 303 Surface



DS Pump Press (psi) 15 DH Density (ppg) 8.25 Comb Pump Rate (bbl/min) 3.8

- ① Call Out *n/a,n/a,n/a*
- ② Depart From Yard *n/a,n/a,n/a*
- ③ Arrive At Loc *n/a,n/a,n/a*
- ④ Comment *n/a,n/a,n/a*
- ⑤ Start Job -21:0:42.0
- ⑥ Pre-Job Safety Meeting -20:0:38.0
- ⑦ Fill Lines -10:8:8.0
- ⑧ Test Lines 5385;8.43;0
- ⑨ Pump Water Spacer 0.8;27;0
- ⑩ Pump Lead Cement 177;11.15;4
- ⑪ Pump Tail Cement 107;13.09;5
- ⑫ Drop Plug 157;14.58;5
- ⑬ Pump Displacement 83;8.57;5
- ⑭ Slow Rate 446;8.32;5.7
- ⑮ Bump Plug 387;8.31;2.9
- ⑯ Check Floats 1469;8.33;0

HALLIBURTON | iCem® Service

Edit

Created: 2014-12-15 11:26:32, Version: 3.0.121

Customer: WHITING OIL & GAS CORP - EBUS

Representative: Eric Fuchs

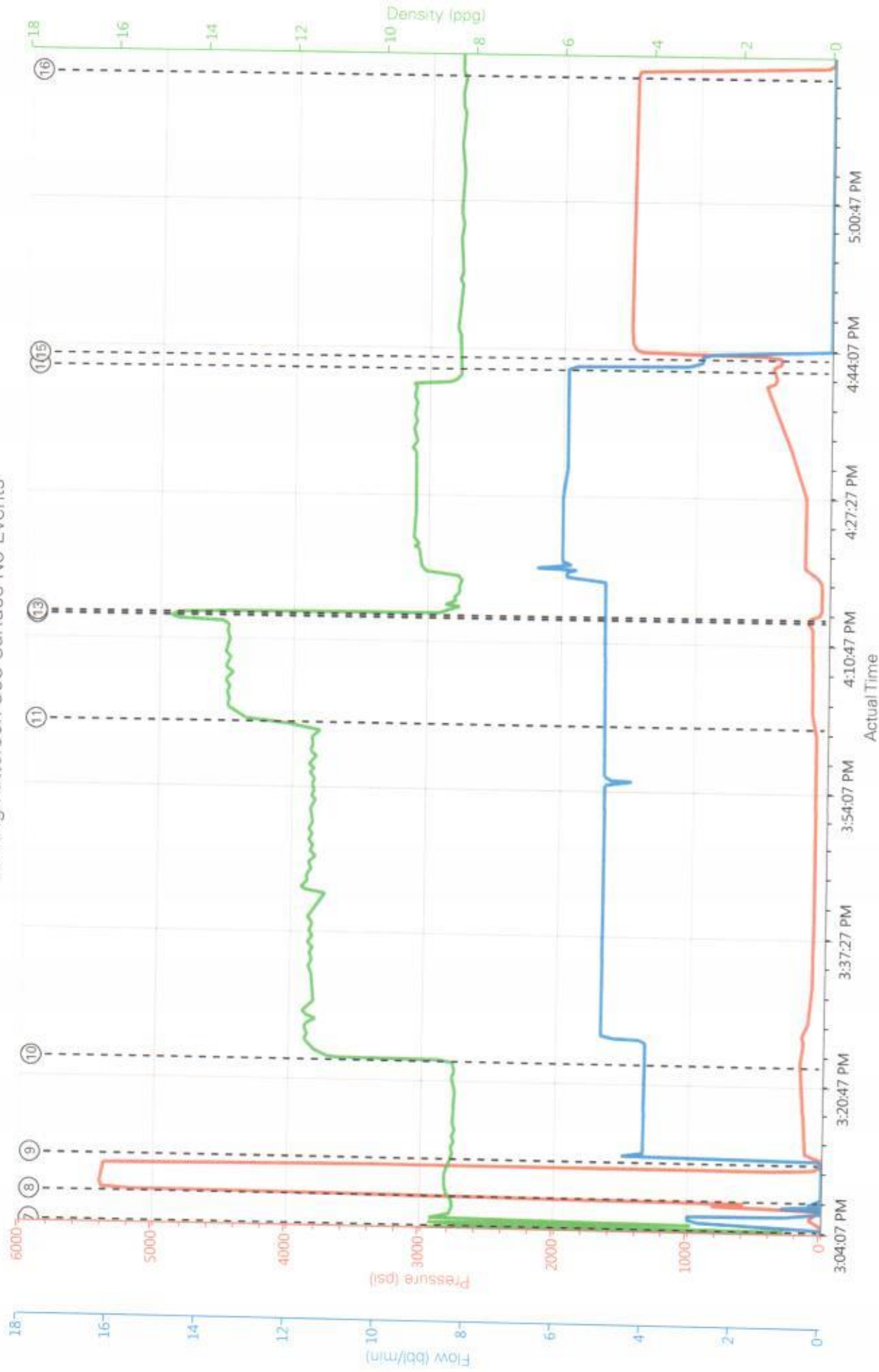
Job Date: 12/15/2014 11:29:19 AM

Sales Order #: 901922768

Well: Wellington 19D-2002

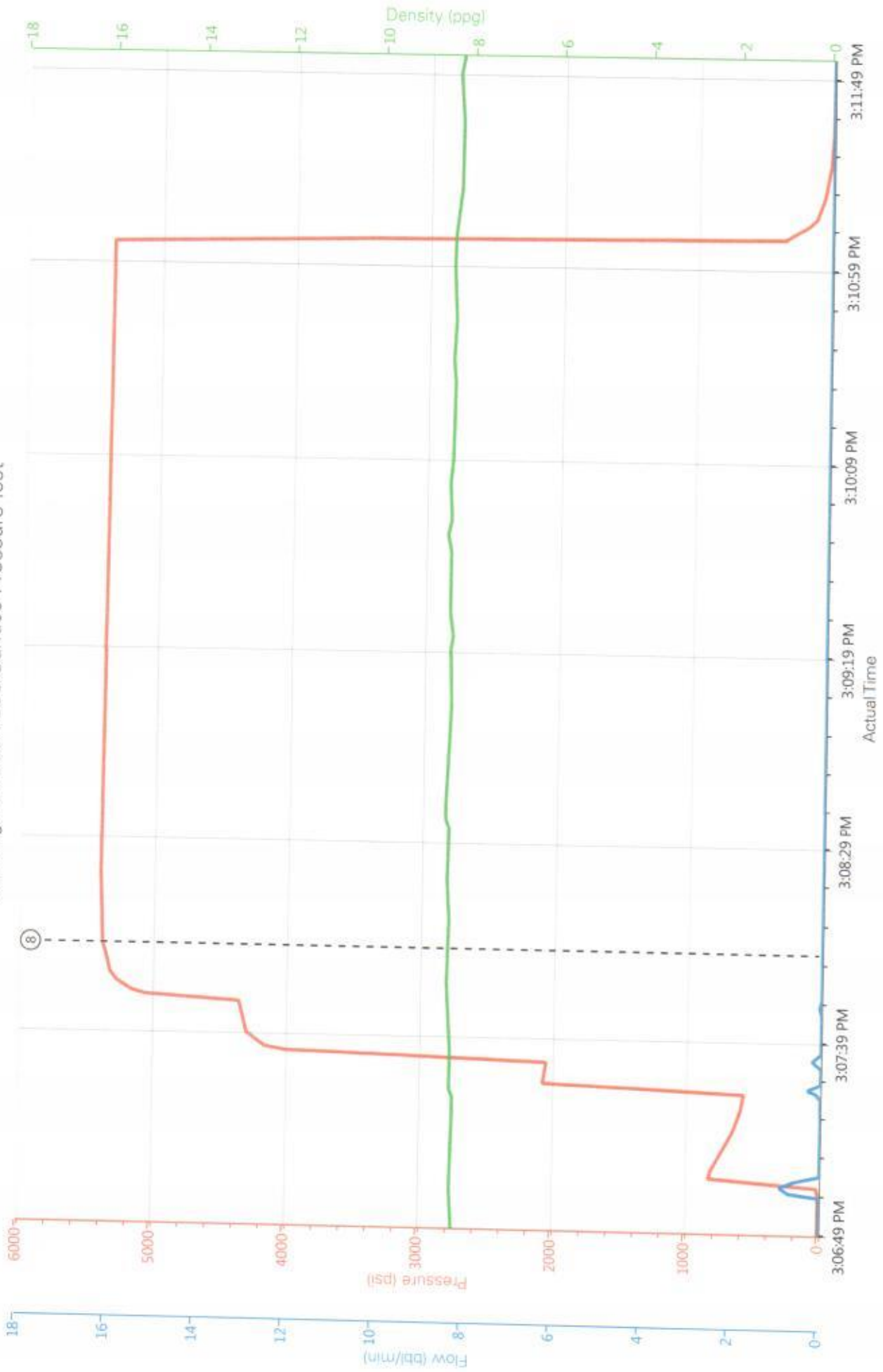
Elite Number: 10972113

Whiting Patterson 303 Surface No Events



DS Pump Press (psi) -7 DH Density (ppg) 0.21 Comb Pump Rate (bbl/min) 3.8

Whiting Patterson 303 Surface Pressure Test



DS Pump Press (psi) -7 DH Density (ppg) 0.07 Comb Pump Rate (bbl/min) 3.8

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Driv-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Comment
Event	1	Call Out	Call Out	12/14/2014	15:00:00	USER				CREW IS CALLED OUT
Event	2	Depart From Service Center or Other Site	Depart From Yard	12/14/2014	19:00:00	USER				CREW LEAVES THE YARD
Event	3	Arrive At Loc	Arrive At Loc	12/14/2014	22:30:00	USER				CREW ARRIVES AT LOCATION
Event	4	Comment	Comment	12/14/2014	23:00:00	USER				THE RIG IS STILL DRILLING AND THEY ARE STUCK. THEY SAID TO JUST STAY OUT OF THE WAY FOR NOW.
Event	5	Start Job	Start Job	12/15/2014	14:25:00	USER	-21.00	0.42	0.00	START JOB
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	12/15/2014	14:30:00	USER	-20.00	0.38	0.00	CREW HAS PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP.
Event	7	Other	Fill Lines	12/15/2014	15:04:44	COM14	-10.00	8.80	0.00	FILL LINES WITH 3 BBLS WATER
Event	8	Test Lines	Test Lines	12/15/2014	15:08:02	COM14	5385.00	8.43	0.00	TEST LINES TO 5000 PSI
Event	9	Pump Spacer 1	Pump Water Spacer	12/15/2014	15:12:13	COM14	0.00	8.27	0.00	PUMP 40 BBLS WATER SPACER
Event	10	Pump Lead Cement	Pump Lead Cement	12/15/2014	15:23:25	COM14	175.00	11.14	4.00	PUMP 179 BBLS LEAD CEMENT
Event	11	Pump Tail Cement	Pump Tail Cement	12/15/2014	16:01:55	COM14	107.00	13.08	5.00	PUMP 60 BBLS TAIL CEMENT
Event	12	Drop Plug	Drop Plug	12/15/2014	16:13:47	USER	156.00	14.54	5.00	DROP PLUG ON THE FLY
Event	13	Pump Displacement	Pump Displacement	12/15/2014	16:14:06	COM14	86.00	8.55	5.00	PUMP 159 BBLS MUD DISPLACEMENT
Event	14	Slow Rate	Slow Rate	12/15/2014	16:42:10	USER	437.00	8.33	5.90	SLOW RATE TO BUMP PLUG
Event	15	Bump Plug	Bump Plug	12/15/2014	16:43:29	COM14	387.00	8.31	2.90	BUMP PLUG, GOT 42 BBLS OF CEMENT TO SURFACE
Event	16	Other	Check Floats	12/15/2014	17:15:20	COM14	1470.00	8.34	0.00	CHECK FLOATS AND GOT 1.5 BBLS BACK
Event	17	End Job	End Job	12/15/2014	17:34:33	COM14	24.00	8.29	2.00	END JOB

HALLIBURTON

WHITING OIL & GAS CORP - EBUS
901922768
Case 1

Event	18	Depart Location	Depart Location	12/15/2014	19:00:00	USER	CREW LEAVES LOCATION
-------	----	-----------------	-----------------	------------	----------	------	----------------------

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED

JAN 12 2015

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
2. NAME OF OPERATOR: Whiting Oil & Gas Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300 CITY Denver STATE CO ZIP 80290		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 703 FNL 615 FWL		8. WELL NAME and NUMBER: Wellington 19D-2002
5. PHONE NUMBER: (303) 390-4906		9. API NUMBER: 4300750367
6. LOCATION OF WELL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 15S 11E		10. FIELD AND POOL, OR WILDCAT: Wildcat

COUNTY: Carbon

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Monthly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

December Operations:
Rig up. Rig repairs. Drill to 6,300'. Rig down.

NAME (PLEASE PRINT) Peggy Butler

TITLE Drilling Tech

SIGNATURE

DATE

1/5/2015

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/31/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Status Update"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center;"> Operations suspended. </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 12, 2015 </div>		
NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 2/4/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300, Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/28/2015	<input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="Monthly Status report"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Drilled out CIBP @ 1942' and pushed down hole to 6168'. Pumped 120 sack cement plug #1 from 5810-6100'. Pumped 120 sack plug #2 from 4725-4975'. Pumped 170 sack plug #3 from 3476-3895. Pumped 155 sack plug #4 from 2710-3000'. Pumped 155 sack plug #5 from 1890-2200'. Top of cement on all plugs tagged with wireline. Pressure tested csg to 1040 psi. UDOGM rep Mark Jones present for pressure test. Well is temporarily abandoned.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 05, 2015		
NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 3/5/2015	



PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078
Phone: (435) 789-1735

7530

Date 2/25/13, 20

For Whiting
Lease Wellington 1SD-2002 Rig No. _____

JOB LOG

TIME	DESCRIPTION	RATE	PSI	VOLUME
0600	On loc			
0730	Safety meeting, Rig up, psi test to 1000			
0811	Fill Hole	4	600	6
	Fluid Returns			25
0830	Start H ₂ O	3	500	6
	END			10
0833	Start Cmt 15.8#, 1.5% cac 12	3	500	6
	END (120sks)			24.5
0841	Start H ₂ O	3	200	6
	END			.8
0842	Start mud Displacement	3	200	6
0853	END, pull TB			32.5
0910	Rev Clean	4	500	6
0913		11	640	15
0916		11	700	25
0918	END			35
1252	Start H ₂ O	3	360	6
	END			10
1255	Start Cmt 15.8#, 2% cac 12	3	360	6
	END (120sks)			24.5
1304	Start H ₂ O	3	120	6
	END			.8
1305	Start mud Displacement	3	120	6
1312	END, pull tb			26
1330	Rev Clean	4	90	6
	11	11	300	15
	11	11	400	30
1341	END			43

Operator

Accepted and approved by



PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078
Phone: (435) 789-1735

7531

Date 2/25/15, 20For Whiting
Lease Whiting 19D-2002 Rig No. _____

JOB LOG

TIME	DESCRIPTION	RATE	PSI	VOLUME
1548	Start H ₂ O	3	340	0
	END			10
1551	Start Cmt 15.8#, 2% cac 12	3	340	0
	END (170 sks)			34.8
1603	Start H ₂ O	3	80	0
	END			.8
1604	Start mud Displacement	3	80	0
1610	END, Pull TB			18.9
1631	Rev Clean	4	120	0
	"	4	430	10
	"	4	450	20
	"	4	470	30
1639	END			33
2/26/15				
0700	on Loc.			
0809	Fill Hole	4	460	0
	Fluid Returns	4	460	4
0812	END			10
0814	Start H ₂ O	3.5	400	0
	END			10
0816	Start Cmt 15.8#, 2% cac 12	3.5	400	0
	END (120 sks)			24.5
0823	Start H ₂ O	3.5	100	0
	END			.8
0824	Start mud Displacement	3.5	140	0
0824	END, Pull TB			14.6
0850	Rev Clean	4	130	0
	Fluid Returns	4	310	4
		4	460	15
0856	END			24

Operator

Accepted and approved by



PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078
Phone: (435) 789-1735

N 7532

Date 2/26/15, 20

For Wellington
Lease Wellington 19D-2012 Rig No. _____

JOB LOG

TIME	DESCRIPTION	RATE	PSI	VOLUME
1135	Start H ₂ O	3.5	240	8
	END			10
1138	Start Cmt 15.8#, 290ccac12	3.5	400	8
	END (355ks)			7
1140	Start H ₂ O	3.5	60	8
	END			.8
1141	Start mud Displacement	3.5	50	8
1145	END, Pull TB			13
1201	Rev Clean	4	100	8
1202	Fluid Returns	4	160	3
	"	4	380	10
1206	END			19
1427	Start H ₂ O	3.5	210	8
	END			10
1429	Start Cmt, 15.8#, 290ccac12	3.5	200	8
	END (1205ks)			24.5
1436	Start H ₂ O	3.5	210	8
	END			.8
1437	Start mud Displacement	3.5	50	8
1439	END, pull TB			7
1458	Rev Clean	4	110	8
1459	Fluid Returns	4	290	4
	END			13
1750	Start H ₂ O	3.5	270	8
	END			10
1753	Start Cmt 15.8#	3.5	200	8
	END (853ks)			7
1755	Start H ₂ O	3.5	70	8
	END			.8
1756	Start mud Displacement	3.5	50	8

Operator

Accepted and approved by



SERVICES INCORPORATED

PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078

Phone: (435) 789-1735

7533

Date 2/27/15, 2015

For Whitling
Lease Wellington 19D-2002 Rig No. _____

JOB LOG

[illegible]

Operator William A. [Signature] Accepted and approved by _____



PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078
Phone: (435) 789-1735

N 7291

JOB SUMMARY REPORT

Customer <i>Whiting</i>			Date <i>2/25/15</i>		Ticket Number <i>8807</i>	
Lease & Well Name <i>Wellington 19B-2002</i>			Sec.	Twp.	Range	County <i>Carbon UT</i>
Job Type <i>P&A</i>			Drilling Contractor			
Surface CSG Size	Wt./Grade	Thread	Depth From	To		
Inter CSG Size	Wt./Grade	Thread	Depth From	To		
Prod. CSG Size	Wt./Grade	Thread	Depth From	To		
Liner CSG Size	Wt./Grade	Thread	Depth From	To		
TBG or D.P. Size <i>2 7/8</i>	Wt./Grade	Thread <i>Ground</i>	Depth From <i>6</i>	To <i>6100</i>		
SKS	Materials Furnished			Slurry Wt. P.P.G.	Slurry Yield FT³	Water Gal./Sk.
<i>120</i>	<i>1.5 Sac. 12</i>			<i>15.8</i>	<i>1.15</i>	<i>5</i>
<i>605</i>	<i>2 3/4 CAC 12</i>			<i>15.8</i>	<i>1.15</i>	<i>5</i>
<i>35</i>	<i>Neat "6"</i>			<i>15.8</i>	<i>1.15</i>	<i>5</i>

Float Equipment

N/A

Equipment & Personnel

Jason T 0139, Dave S 69, Jarred R 2218 2201

Notes

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300 , Denver, CO, 80290 2300		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 303 390-4095 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">3/31/2015</div> <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operations suspended. Well is temporarily abandoned.

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

April 23, 2015

NAME (PLEASE PRINT) Cara Mezydlo	PHONE NUMBER 303 876-7091	TITLE Engineering Technician
SIGNATURE N/A	DATE 4/1/2015	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:

12. COUNTY

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____b. TYPE OF WORK:
NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD
TVD19. PLUG BACK T.D.: MD
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED? NO ☐ YES ☐ (Submit analysis)WAS DST RUN? NO ☐ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☐ NO ☐ IF YES -- DATE FRACTURED: _____

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

34. Formation Markers:

Formation	Top (MD)
Ferron	495
Tununk	593
Dakota	928
Morrison	1496
Summerville	2117
Curtis	2418
Entrada	2600
Carmel	3142
Navajo	3721
Kayenta	4067
Wingate	4173
Chinle	4555
Moenkopi	4963
Torrey	5388
Sinbad	5635
Black Dragon	5721
Kaibab	6136

Whiting Oil & Gas
Wellington 19D-2002
Carbon County, Utah



CL File No.: Den-140091
Date: 3.12.15
Analyst(s): NS

CMS-300 CONVENTIONAL PLUG ANALYSIS

Sample Number	Depth (ft)	Net Confining Stress (psig)	Porosity (%)	Permeability		b(air) psi	Beta ft(-1)	Alpha (microns)	Saturation		Grain Density (g/cm3)	Footnote
				Klinkenberg	Kair				Oil	Water		
				(md)	(md)				% Pore Volume			
40	5890.90	2000	3.06	.0001	.001	266.62	4.19E+17	1.97E+05	16.5	66.8	2.712	
41	5891.50	Ambient	3.24	***	***	***	***	***	7.1	77.4	2.697	5
42	5892.90	2000	4.22	.001	.004	137.79	1.01E+16	3.14E+04	7.7	58.1	2.708	
81	5893.30	2000	4.90	.011	.019	23.50	1.52E+13	5.46E+02	11.9	51.4	2.733	1
43	5893.85	2000	4.22	.001	.006	125.81	5.89E+15	2.40E+04	42.3	28.3	2.704	
82	5894.15	2000	2.83	.001	.004	141.98	1.17E+16	3.36E+04	16.0	33.5	2.726	
44	5894.65	2000	1.97	.001	.005	141.70	1.15E+16	3.32E+04	17.6	40.2	2.739	
83	5895.25	2000	2.51	.001	.007	117.11	3.90E+15	1.96E+04	23.3	30.1	2.718	
45	5895.85	2000	2.50	.002	.008	109.64	2.66E+15	1.62E+04	37.1	23.6	2.713	
85	5896.25	2000	3.75	.002	.008	109.29	2.64E+15	1.63E+04	36.3	20.6	2.720	
46	5896.65	2000	4.07	.002	.008	107.84	2.44E+15	1.56E+04	42.8	21.7	2.714	
84	5897.15	2000	3.39	.002	.009	101.51	1.75E+15	1.33E+04	26.5	34.0	2.705	
47	5897.70	2000	1.64	.001	.007	119.89	4.43E+15	2.09E+04	2.5	61.7	2.737	
48	5898.30	2000	1.91	.002	.009	101.86	1.77E+15	1.33E+04	14.9	31.6	2.728	
86	5899.05	2000	3.36	.003	.012	93.64	1.12E+15	1.07E+04	54.8	11.6	2.712	
49	5899.65	2000	1.78	.001	.006	128.99	6.79E+15	2.59E+04	11.0	37.8	2.739	
87	5899.95	2000	1.89	.001	.005	133.00	8.07E+15	2.81E+04	1.1	51.0	2.733	
50	5900.50	2000	2.15	.001	.006	122.19	4.92E+15	2.20E+04	19.6	37.4	2.729	
88	5900.90	2000	2.23	.001	.005	126.66	6.10E+15	2.45E+04	6.6	43.6	2.727	
51	5901.75	2000	2.28	.001	.006	121.58	4.78E+15	2.16E+04	15.0	44.2	2.881	
52	5902.45	2000	2.34	.001	.005	138.34	1.04E+16	3.24E+04	8.3	56.6	2.730	
53	5903.30	2000	1.64	.002	.008	112.92	3.14E+15	1.76E+04	9.2	49.3	2.746	
54	5904.50	2000	3.33	.001	.003	160.79	2.40E+16	4.77E+04	7.9	80.6	2.705	
55	5905.75	Ambient	2.59	***	***	***	***	***	2.1	25.9	2.690	5
56	5906.80	2000	2.36	.0003	.002	194.99	7.14E+16	8.11E+04	4.8	75.1	2.704	
57	5907.60	2000	1.26	.0003	.002	195.80	7.24E+16	8.18E+04	17.5	63.8	2.732	
58	5909.20	2000	1.15	.0001	.001	264.13	3.90E+17	1.90E+05	17.0	78.3	2.768	
89	5910.40	2000	1.62	4.79	4.91	0.39	2.48E+10	3.85E+02	9.8	47.9	2.747	1

Whiting Oil & Gas
Wellington 19D-2002
Carbon County, Utah



CL File No.: Den-140091
Date: 3.12.15
Analyst(s): NS

CMS-300 CONVENTIONAL PLUG ANALYSIS

Sample Number	Depth (ft)	Net Confining Stress (psig)	Porosity (%)	Permeability		b(air) psi	Beta ft(-1)	Alpha (microns)	Saturation		Grain Density (g/cm3)	Footnote
				Klinkenberg	Kair				Oil	Water		
				(md)	(md)				% Pore Volume			

Footnotes :

- (1) : Denotes fractured or chipped sample. Permeability and/or porosity may be optimistic.
- (2) : Sample permeability below the measurement range of CMS-300 equipment at indicated net confining stress (NCS). Data unavailable.
- (3) : Denotes very short sample, porosity may be optimistic due to lack of conformation of boot material to plug surface.
- (4) : Sample contains bitumen or other solid hydrocarbon residue.
- (5) : Denotes sample unsuitable for measurement at stress. Porosity determined using Archimedes bulk volume at ambient conditions.
- Permeability greater than 0.1 mD measured using helium gas. Permeability less than 0.1 mD measured using nitrogen gas. All b values converted to b (air)

Effective Date:

1/1/2016

FORMER OPERATOR:	NEW OPERATOR:
WHITING OIL AND GAS CORPORATION 1700 BROADWAY STE 2300 DENVER CO 80290	LIBERTY PIONEER ENERGY SOURCE, INC 1411 EAST 840 NORTH OREM UT 84097
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
Wellington Flats 15-11-18E	18	15S	11E	4300750347	11215	State	State	OW	P
Wellington 19D-2002	19	15S	11E	4300750367	19877	State	State	OW	TA

OPERATOR CHANGES DOCUMENTATION:1. Sundry or legal documentation was received from the **FORMER** operator on:

1/12/2016

2. Sundry or legal documentation was received from the **NEW** operator on:

1/12/2016

3. New operator Division of Corporations Business Number:

6353640-0143

REVIEW:1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

1/13/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

1/13/2015

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

N/A

2. Indian well(s) covered by Bond Number:

N/A

3. State/fee well(s) covered by Bond Number(s):

RLB0012097

DATA ENTRY:1. Well(s) update in the **OGIS** on:

1/13/2016

2. Entity Number(s) updated in **OGIS** on:

1/13/2016

3. Unit(s) operator number update in **OGIS** on:

N/A

4. Surface Facilities update in **OGIS** on:

N/A

5. State/Fee well(s) attached to bond(s) in **RBDMS** on:

1/13/2016

6. Surface Facilities update in **RBDMS** on:

N/A

LEASE INTEREST OWNER NOTIFICATION:1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

N/A

COMMENTS:



January 6, 2016

Division of Oil, Gas and Mining
1594 West North Temple
Salt Lake City, UT 84116

RECEIVED
JAN 12 2016
DIV. OF OIL, GAS & MINING

Re: Change of operator submission

Dear Sir or Madam:

Whiting Oil and Gas Corporation respectfully submits 2 sundries for change of operator, in triplicate.

Questions for Liberty Pioneer Energy Source, Inc. (the buyer) should be directed to:

Kimball Hodges – Vice President
Phone: (801) 224-4771

Liberty Pioneer Energy Source
1411 East 840 North
Orem, UT 84097

If you should have any questions or need additional information, feel free to call me at the number or address listed below.

Best Regards,

Cara Mezydlo
Engineering Technician III – Central Rockies Asset Group
(303) 876-7091
cara.mezydlo@whiting.com

*Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation*

1700 Broadway, Suite 2300, Denver, Colorado 80290-2300 Office: 303.837.1661 Fax: 303.861.4023

RECEIVED

JAN 12 2016

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
WL-49795

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER _____6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A7. UNIT or CA AGREEMENT NAME:
N/A2. NAME OF OPERATOR:
LIBERTY PIONEER ENERGY SOURCE, INC.8. WELL NAME and NUMBER:
WELLINGTON 19D-20023. ADDRESS OF OPERATOR:
1411 East 840 North CITY Orem STATE UT ZIP 84097PHONE NUMBER:
(801) 224-47719. API NUMBER:
4300750367

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 703 FNL & 615 FWL

COUNTY: CARBON

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 15S 11E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/1/2016	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

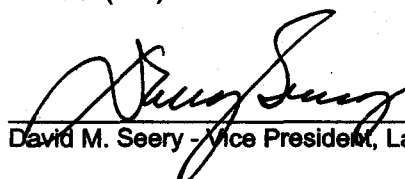
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pursuant to the Assignment and Bill of Sale dated effective January 1, 2016, Whiting Oil and Gas Corporation has resigned as Operator of this well, and Liberty Pioneer Energy Source, Inc. has been designated as successor Operator.

Utah state bond RLB0012097 will be used to cover operations.

Liberty Pioneer Energy Source, Inc.
1411 East 840 North
Orem, UT 84097
Phone: (801) 224-4771

Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290
Phone: (303) 837-1661


David M. Seery - Vice President, Land

NAME (PLEASE PRINT) Kimball E. Hodges

TITLE Vice President

SIGNATURE 

DATE

1/5/16

(This space for State use only)

APPROVED

JAN 13 2016

DIV. OIL GAS & MINING
BY: Rachel Medina

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49795
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: LIBERTY PIONEER ENERGY SOURCE, INC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1411 East 840 North, Orem, UT, 84097		8. WELL NAME and NUMBER: Wellington 19D-2002
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0703 FNL 0615 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 19 Township: 15.0S Range: 11.0E Meridian: S		9. API NUMBER: 43007503670000
PHONE NUMBER: 801 224-4771 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: CARBON		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/10/2016	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Liberty Pioneer Energy Source (LPES) took over operations of this well on 1/1/16. The well has been temporarily abandoned (see attached wellbore diagram). No formation is open to the wellbore and this wellbore poses no threat. We are analyzing core, well logs and other well data to determine how to proceed with this wellbore. Additionally, given current commodity pricing it is not economic to perform operations on this well. We request that this wellbore remain temporarily abandoned to allow for a thorough evaluation and give time for pricing to recover. We check on this site frequently as we have other operations nearby.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: May 24, 2016

By: *Derek Duff*

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Kimball Hodges	PHONE NUMBER 801 224-4771	TITLE Vice President
SIGNATURE N/A	DATE 3/10/2016	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43007503670000

Approval valid through March 1, 2017. Periodic pressure readings on casing should be obtained and submitted to the Division. If pressure is found on casing, contact the Division immediately, remedial action will be necessary.

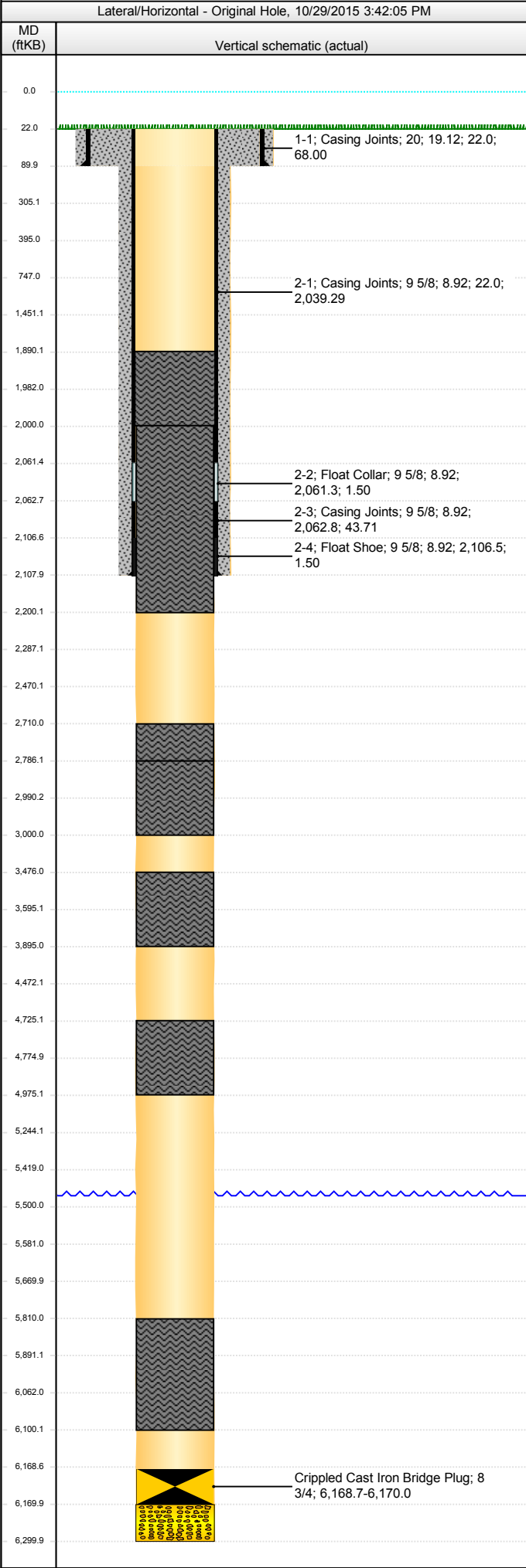
WOGC Well History Schematic Report



Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Well Name: WELLINGTON 19D-2002

API Number 430075036700		WPC ID 1UT029804		Well Permit Number 9254		Field Name Wildcat		County Carbon		State UT		
Well Configuration Type Lateral/Horizontal				Orig KB Elv (ft) 5,477.00		Ground Elevation (ft) 5,455.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft) Total Depth (ftKB) 6,300.0		
Original Spud Date 12/11/2014		Completion Date		Asset Group Central Rockies		Responsible Engineer Jared Huckabee		N/S Dist (ft) 703.0		N/S Ref FNL	E/W Dist (ft) 615.0	E/W Ref FWL
Lot	Quarter 1 NW	Quarter 2 NW	Quarter 3	Quarter 4 19	Section Suffix	Section Type	Township 15	Township N/S Dir S	Range 11	Range E/W Dir E	Meridian	



Jobs	
Job Type	Start Date
Drill & Complete	12/5/2014
Perforations	
Type of Hole	Date
Top (ftKB)	Btm (ftKB)
Stim/Treat Stages	
Stage Completion Type	Stage Start Time
Top (ftKB)	Btm (ftKB)
Com	Vol Clean Total (bbl)
Vol Pumped Down total (bbl)	
Wellbore Sections	
Section Des	Wellbore Name
Size (in)	Act Top (ftKB)
Act Btm (ftKB)	Start Date
End Date	
Conductor	Original Hole
22	22.0
90.0	12/4/2014
Surface	Original Hole
12 1/4	90.0
2,108.0	12/11/2014
Intermedia te	Original Hole
8 3/4	2,108.0
6,300.0	12/16/2014
4	12/22/2014
Conductor Pipe, 90.0ftKB	
Comment	
Run Date 12/5/2014	
OD (in)	Wt (lb/ft)
Grade	Top (ftKB)
Btm (ftKB)	Len (ft)
Item Des	
20	94.00
K-55	22.0
90.0	68.00
Casing Joints	
Surface Csg, 2,108.0ftKB	
Comment	
Run Date 12/15/2014	
OD (in)	Wt (lb/ft)
Grade	Top (ftKB)
Btm (ftKB)	Len (ft)
Item Des	
9 5/8	36.00
J-55	22.0
2,061.3	2,039.29
Casing Joints	
9 5/8	36.00
J-55	2,061.3
2,062.8	1.50
Float Collar	
9 5/8	36.00
J-55	2,062.8
2,106.5	43.71
Casing Joints	
9 5/8	36.00
J-55	2,106.5
2,108.0	1.50
Float Shoe	
Cement Stages	
Des	Top (ftKB)
Btm (ftKB)	Top Meas Meth
Pump Start Date	
Conductor Cement	22.0
90.0	12/5/2014
Surface Casing Cement	22.0
2,108.0	Returns to Surface
12/15/2014	
Cement Plug	5,810.0
6,100.0	Wireline Tag
2/25/2015	
Cement Plug	4,725.0
4,975.0	Wireline Tag
2/25/2015	
Cement Plug	3,476.0
3,895.0	Wireline Tag
2/25/2015	
Cement Plug	2,786.0
3,000.0	Wireline Tag
2/26/2015	
Cement Plug	2,710.0
2,786.0	Wireline Tag
2/26/2015	
Cement Plug	2,000.0
2,200.0	Wireline Tag
2/26/2015	
Cement Plug	1,890.0
2,000.0	Wireline Tag
2/26/2015	
Other In Hole	
Des	OD (in)
ID (in)	Run Date
Top (ftKB)	Btm (ftKB)
Crippled Cast Iron Bridge Plug	8 3/4
12/23/2014	6,168.7
6,170.0	
Fill	8 3/4
2/19/2015	6,170.0
6,300.0	
<des> set at <depthbtm>ftKB on <dtmrun>	
Set Depth (ftKB)	Comment
Run Date	Pull Date
Item Des	OD (in)
Len (ft)	Top (ftKB)
Btm (ftKB)	
<des> on <dtmrun>	
Rod Description	
Run Date	
Item Des	OD (in)
Len (ft)	Top (ftKB)
Btm (ftKB)	

Unit Number
837



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3180 (UTU90533X)

UT-922000

May 26, 2016

Mr. Daniel Gunnell
Liberty Pioneer Energy Source, Inc. N2855
1411 East 840 North
Orem, Utah 84097

RECEIVED
MAY 31 2016

Dear Mr. Gunnell:

The Dragon Unit Agreement, Carbon and Emery Counties, Utah, is approved effective May 26, 2016. This agreement has been designated No. UTU90533X.

The unit agreement provides for the drilling of six (6) drilling operations as obligations pursuant to Section 9 of the unit agreement. The initial obligation well is to be drilled to a depth of 5,650 feet or a depth sufficient to test 100 feet below the top of the White Rim Formation, whichever is less; and is to be located in the NWNE, Section 21, Township 15 South, Range 11 East, SLB&M, Carbon County, Utah. At least four vertical wells must be drilled in compliance with the above specified formation or depth requirements and must be located a minimum of one (1) mile from the other three vertical wells at a location approved by the Authorized Officer (AO). One of the wells must be located in the southern half of the Dragon Unit in Township 17, 18 or 19 South. For the other two drilling operations, the operator will have the option to either drill vertical wells in compliance with the above specified location, formation and depth requirements or drill horizontal laterals in the Moenkopi Formation of not less than 1,000 feet in length in one or more of the existing wells.

No extension of time beyond November 26, 2016, will be granted to commence the "initial obligation well" other than "unavoidable delay" (Section 25), where justified.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

The basic information is as follows:

1. The depth of the test well and the area to be unitized were approved under the unit plan regulations of December 22, 1950, by Bureau of Land Management letter dated April 12, 2016.
2. All substances are unitized.
3. The unit area embraces 99,685.68 acres, more or less, of which 64,630.42 acres (64.83%) are Federal lands, 13,822.30 acres (13.87%) are State lands and 21,232.96 acres (21.30%) are Patented lands.

The following leases embrace lands included within the unit area:

UTU18126**	UTU84547	UTU85165	UTU87155**	UTU87643
UTU84537*	UTU84548	UTU85166	UTU87317*	UTU89915**
UTU84538*	UTU84549	UTU85171	UTU87318	UTU89919
UTU84539	UTU84550	UTU85988**	UTU87319	UTU89920
UTU84540*	UTU84551**	UTU85989* **	UTU87333	UTU89921
UTU84542	UTU84552	UTU87150	UTU87334	UTU89942*
UTU84543	UTU84553*	UTU87151*	UTU87335	UTU91304
UTU84544	UTU84563	UTU87152	UTU87336	UTU91334*
UTU84545	UTU84565	UTU87153	UTU87337	UTU91340
UTU84546	UTU85164	UTU87154	UTU87467	

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

** Indicates non-committed leases.

Oil and gas lease UTU85989 is currently non-committed to the unit agreement. Upon commitment to the unit agreement the lease will be considered for segregation.

All lands and interests are fully/effectively committed except for the partially committed tracts 138, 139 and 191, which total 195.00 acres (0.02%); and the non-committed tracts listed in Attachment "A", which total 14,644.67 acres (14.70%). Also, certain overriding royalty interest owners have not signed the unit agreement. All parties owning interests within this unit area were invited to join the unit agreement.

Unleased Federal lands, Tract 50, totaling 433.80 acres (0.04 %) are not committed, but are considered to be controlled acreage because, prior to issuance of leases for the acreage, the lessee(s) may be required to commit to the unit agreement.

In view of the foregoing commitment status, effective control of operations within the unit area is assured. We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources.

Copies of the approved agreement are being distributed to the BLM Price Field Office, Utah Division of Oil, Gas and Mining (UDOGM), School and Institutional Trust Lands Administration (SITLA), and the Office of Natural Resources Revenue (ONRR). You are requested to furnish all other interested parties with appropriate evidence of this approval.

If there are any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger L. Bankert". The signature is written in a cursive, flowing style.

Roger L. Bankert
Chief, Branch of Minerals

cc: UDOGM
SITLA
ONRR w/Exhibit B (Attn: Jessica Bowlen)
FOM – Price w/enclosure

**DRAGON UNIT AGREEMENT
ATTACHMENT 'A'
NON-COMMITTED**

Tract #	Lease #	Acres
1	UTU18126	40
15	UTU84551	159.3
24	UTU85988	80
25	UTU85989	80
31	UTU87155	1949.52
42	UTU89915	440
70	ML-53156	571.05
71	UNLEASED-STATE	2850.08
72	UNLEASED-FEE	264.18
73	UNLEASED-FEE	240
74	UNLEASED-FEE	443.27
75	UNLEASED-FEE	195
76	UNLEASED-FEE	607.35
89	UNLEASED-FEE	160
94	UNLEASED-FEE	10.32
99	UNLEASED-FEE	13.25
115	UNLEASED-FEE	130
116	UNLEASED-FEE	720
118	UNLEASED-FEE	40
120	UNLEASED-FEE	50
121	UNLEASED-FEE	90
125	UNLEASED-FEE	40
126	UNLEASED-FEE	40
127	UNLEASED-FEE	40
136	UNLEASED-FEE	360
142	UNLEASED-FEE	8.98
143	UNLEASED-FEE	40
144	UNLEASED-FEE	40
149	UNLEASED-FEE	37.5
156	UNLEASED-FEE	40
157	UNLEASED-FEE	40
159	UNLEASED-FEE	80.3
161	UNLEASED-FEE	15
166	UNLEASED-FEE	45
170	UNLEASED-FEE	120
178	UNLEASED-FEE	80
185	UNLEASED-FEE	133.34
192	UNLEASED-FEE	20

194	UNLEASED-FEE	80.13
196	UNLEASED-FEE	40
197	UNLEASED-FEE	340
199	UNLEASED-FEE	50.94
200	UNLEASED-FEE	1.62
201	UNLEASED-FEE	2.22
202	UNLEASED-FEE	0.19
203	UNLEASED-FEE	7.84
212	UNLEASED-FEE	20.11
213	UNLEASED-FEE	10
221	UNLEASED-FEE	12.79
222	UNLEASED-FEE	160
224	UNLEASED-FEE	80
225	UNLEASED-FEE	173.89
229	UNLEASED-FEE	120
231	UNLEASED-FEE	40
232	UNLEASED-FEE	40
233	UNLEASED-FEE	120
237	UNLEASED-FEE	37.65
239	UNLEASED-FEE	0.36
240	UNLEASED-FEE	0.09
241	UNLEASED-FEE	40
242	UNLEASED-FEE	476.43
243	UNLEASED-FEE	7.23
245	UNLEASED-FEE	36.18
246	UNLEASED-FEE	59.22
247	UNLEASED-FEE	1.73
248	UNLEASED-FEE	51.25
249	UNLEASED-FEE	19
251	UNLEASED-FEE	40
252	UNLEASED-FEE	18.54
254	UNLEASED-FEE	10.1
255	UNLEASED-FEE	9.28
256	UNLEASED-FEE	48.11
257	UNLEASED-FEE	6.81
258	UNLEASED-FEE	24.45
259	UNLEASED-FEE	80
260	UNLEASED-FEE	35.14
261	UNLEASED-FEE	4.86
263	UNLEASED-FEE	40.22
264	UNLEASED-FEE	160
265	UNLEASED-FEE	40
266	UNLEASED-FEE	10.5

267	UNLEASED-FEE	3.4
268	UNLEASED-FEE	0.68
269	UNLEASED-FEE	80
270	UNLEASED-FEE	281.3
271	UNLEASED-FEE	5
272	UNLEASED-FEE	40
273	UNLEASED-FEE	120
274	UNLEASED-FEE	40
275	UNLEASED-FEE	60.42
276	UNLEASED-FEE	11.71
277	UNLEASED-FEE	10
278	UNLEASED-FEE	20
279	UNLEASED-FEE	3.03
280	UNLEASED-FEE	19.93
281	UNLEASED-FEE	6.31
282	UNLEASED-FEE	40.09
283	UNLEASED-FEE	17.36
284	UNLEASED-FEE	1.06
285	UNLEASED-FEE	2.45
286	UNLEASED-FEE	1.81
287	UNLEASED-FEE	0.92
288	UNLEASED-FEE	1.83
289	UNLEASED-FEE	0.92
290	UNLEASED-FEE	0.92
291	UNLEASED-FEE	1.84
292	UNLEASED-FEE	1.99
293	UNLEASED-FEE	0.85
294	UNLEASED-FEE	8.27
295	UNLEASED-FEE	2.25
296	UNLEASED-FEE	35.44
297	UNLEASED-FEE	15.39
298	UNLEASED-FEE	22.63
299	UNLEASED-FEE	1.11
300	UNLEASED-FEE	0.52
301	UNLEASED-FEE	2
302	UNLEASED-FEE	1.76
303	UNLEASED-FEE	2.21
304	UNLEASED-FEE	0.24
305	UNLEASED-FEE	3.8
306	UNLEASED-FEE	0.54
307	UNLEASED-FEE	68.45
308	UNLEASED-FEE	9.82
309	UNLEASED-FEE	10

310	UNLEASED-FEE	5.08
311	UNLEASED-FEE	28.29
312	UNLEASED-FEE	33.29
313	UNLEASED-FEE	13.4
314	UNLEASED-FEE	20.00
315	UNLEASED-FEE	.07
316	UNLEASED-FEE	26.11
317	UNLEASED-FEE	0.25
318	UNLEASED-FEE	19.92
319	UNLEASED-FEE	19.92
320	UNLEASED-FEE	19
321	UNLEASED-FEE	6
322	UNLEASED-FEE	20
323	UNLEASED-FEE	0.7
324	UNLEASED-FEE	30.52
325	UNLEASED-FEE	1
326	UNLEASED-FEE	1.15
327	UNLEASED-FEE	62.87
328	UNLEASED-FEE	160
329	UNLEASED-FEE	15.16
330	UNLEASED-FEE	2.5
331	UNLEASED-FEE	2.56
332	UNLEASED-FEE	80
333	UNLEASED-FEE	80
334	UNLEASED-FEE	40
335	UNLEASED-FEE	5.71
336	UNLEASED-FEE	19
337	UNLEASED-FEE	70
338	UNLEASED-FEE	0.96
339	UNLEASED-FEE	2.27
340	UNLEASED-FEE	10.07
341	UNLEASED-FEE	10.24
342	UNLEASED-FEE	8.73
343	UNLEASED-FEE	1.29
344	UNLEASED-FEE	0.04

14,644.67

CERTIFICATION - DETERMINATION

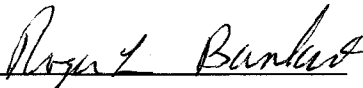
Pursuant to the authority vested in the Secretary of the Interior, under the Act approved February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. sec 181, et seq., and delegated to the Authorized Officer of the Bureau of Land Management, under the authority of 43 CFR 3180, I do hereby:

A. Approve the attached agreement for the development and operation of the Dragon Unit Area, Carbon and Emery Counties, Utah. This approval shall be invalid *ab initio* if the public interest requirement under § 3183.4(b) of this title is not met.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of all Federal leases committed to said Agreement are hereby established, altered, changed or revoked to conform with the terms and conditions of this agreement.

Dated: May 26, 2016



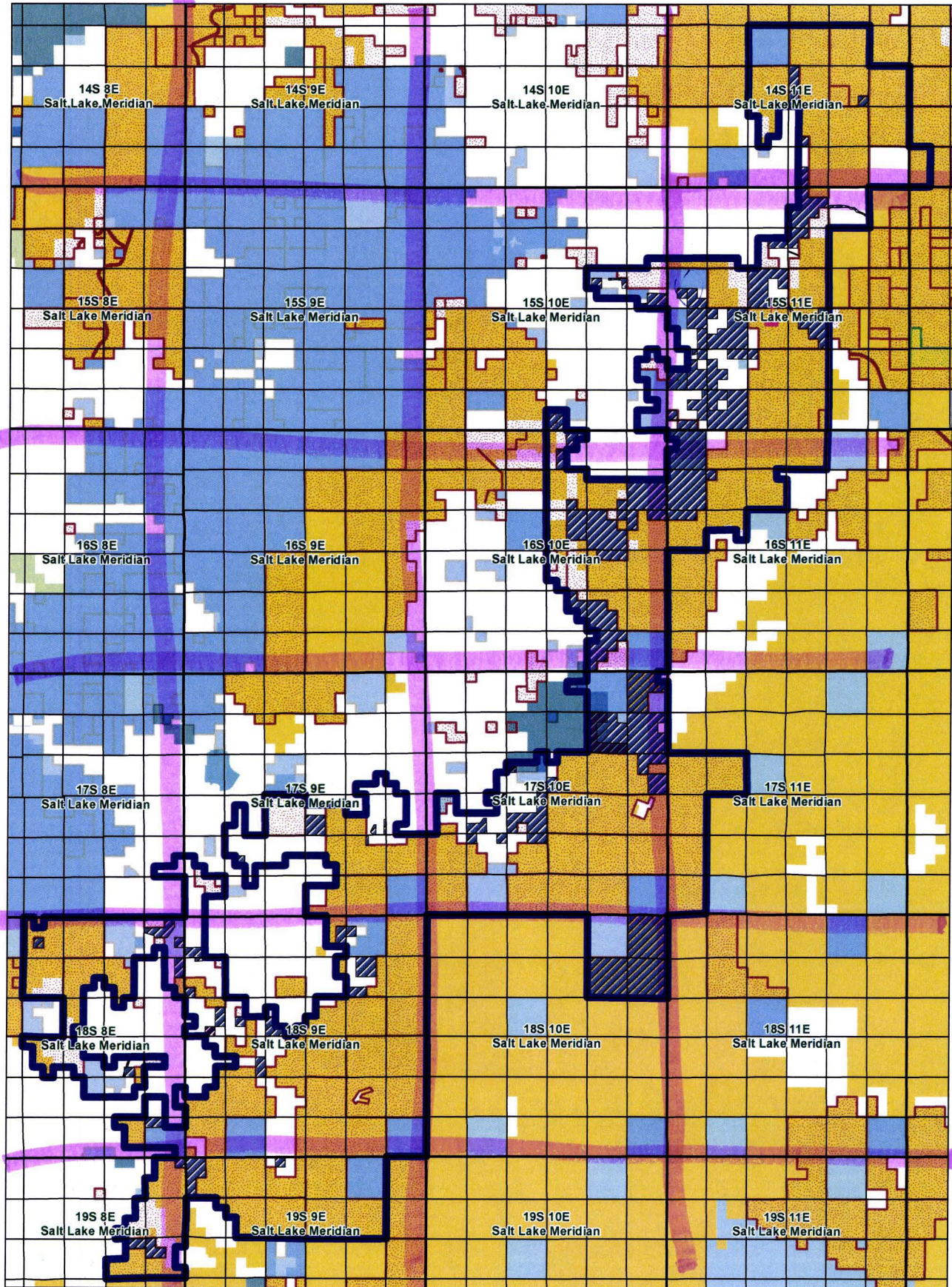
Chief, Branch of Minerals
Bureau of Land Management

Contract No: UTU90533X

DRAGON UNIT

Carbon and Emery Counties, Utah

EFFECTIVE: May 26, 2016



First Obligation Well

Uncommitted
Unleased Federal

UTU90533X

99,685.68 ACRES

6/3/2016

Dragon Unit
Effective 5/26/2016

Well Name	SEC	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
Wellington Flats 15-11-18E	18	150S	110E	4300750347	18821	3	3	OW	P
Wellington 19D-2002	19	150S	110E	4300750367	19877	3	3	OW	TA